Collaborative Testing Services, Inc.

Plastics Interlaboratory Testing Program

Web Summary Report #56, 4th Qtr 2005

Analysis	Analysis Name
704	Tensile Stress at Yield, Plastic Samples
705	Tensile Stress at Break, Plastic Samples
706	Percent Elongation at Yield, Plastic Samples
708	Modulus of Elasticity, Plastic Samples
730	Tensile Stress at Yield, ISO Plastic Samples
731	Tensile Stress at Break, ISO Plastic Samples
732	Percent Strain at Yield, ISO Plastic Samples
734	Modulus of Elasticity, ISO Plastic Samples
720	Flexural Modulus
721	Flexural Stress at 5% Strain
722	Flexural Stress at Yield
736	Flexural Modulus, ISO Plastic Samples
737	Flexural Stress at 3.5% Strain
738	Flexural Stress at Yield
790	Notched Izod Impact
792	Notched Charpy Impact, ISO Plastic Samples
710	Deflection Temp. Under Flexural Load (1.82 MPa)
711	Deflection Temp. Under Flexural Load (0.455 MPa)
712	Temp. of Deflection Under Flexural Load 1.80 MPa
715	Vicat Softening Temperature (Rate A)
716	Vicat Softening Temperature (Rate B)
750	Flow Rates of Thermoplastics (2.16 kg load)

Analysis	Analysis Name
718	Specific Gravity
757	Ash Content in Thermoplastics
770	Tensile Stress at Yield, Film Samples
771	Tensile Stress at Break, Film Samples
772	Percent Elongation at Yield, Film Samples
773	Percent Elongation at Break, Film Samples
774	Thickness of Film Tensile Samples
780	Coefficient of Friction: Static
781	Coefficient of Friction: Kinetic
782	Tear Resistance of Films
785	Optical Properties of Films - Percent Haze
786	Optical Properties of Films: % Transmittance

About CTS and the Plastics Interlaboratory Program

Founded in 1971, Collaborative Testing Services, Inc. (CTS) is a privately-owned company that specializes in interlaboratory tests for a wide variety of industries, including rubber, plastics, fasteners and metals, containerboard, paper, color and wine, as well as proficiency tests for forensic laboratories. All of the tests are designed to assist organizations in achieving and maintaining quality control objectives. Labs from the U.S., as well as more than 50 countries currently participate in CTS programs.

Collaborative Testing Services initiated the Collaborative Reference Program for PLASTICS in 1992 at the request of industry, ASTM committee D-20 members, and accrediting bodies. Additional test methods are always under review and are incorporated into the program when possible.

The program allows laboratories to compare periodically the level and uniformity of their testing with that of other participating laboratories. It also provides a realistic assessment of the state of plastics testing proficiency.

For each test there is a summary of the statistics for the analysis and a graphical representation of the data. Also shown are notes concerning specific laboratory results, as well as significant findings related to instrument types or other testing variations. Refer to the KEY FOR SUMMARY REPORT for an explanation of terms and guidelines for interpreting the results.

For further information contact:

COLLABORATIVE TESTING SERVICES, INC.
21331 Gentry Drive
Sterling, VA 20166
Phone: (571) 434-1925
FAX: (571) 434-1937
e-mail: plastics@cts-interlab.com

Office Hours: 8:00 a.m. - 4:30 p.m. ET

Key for Web Summary Report (Page 1 of 2)

WebCode — Assigned laboratory identification number (temporary) used to ensure lab confidentiality while permitting a lab to locate its data in the Plastics Web Summary Report published on the CTS web site. The WebCode for each analysis can be found in the Performance Analysis Report mailed to each participant.

Lab Mean — The average of the test results obtained by the participant.

Grand Mean — The average of the LAB MEANS for all included participants. Laboratories flagged with an X or an M (see DATA FLAG column) are excluded from the GRAND MEAN.

Difference from Grand Mean — The difference of the LAB MEAN from the GRAND MEAN.

Between-Lab Standard Deviation — An indication of the precision of measurement between the laboratories. The greater the spread of the LAB MEANS about the GRAND MEAN, the larger the BETWEEN-LAB STANDARD DEVIATION (and vice versa).

Comparative Performance Value — An indication of how well a laboratory's results agree with the other participants. The CPV is a ratio indicating the number of standard deviations from the GRAND MEAN. The closer a laboratory's COMPARATIVE PERFORMANCE VALUE is to zero, the more consistent its results are with the other participants' data (and vice versa). The critical value for each CPV will vary depending on the number of labs participating in a test.

Inst Code — A code indicating the manufacturer of the instrument used to perform the test (see separate INSTRUMENT CODE LIST for each test section) if instruments are tracked.

Data Flag — DATA FLAGS are assigned based on the simultaneous analysis of both samples tested. Refer to the following chart for an explanation of each symbol:

DATA FLAG	STATISTICALLY INCLUDED/EXCLUDED	ACTION REQUIRED
*	INCLUDED	**CAUTION** - review testing procedure and monitor future results. Results fall outside 95% ellipse but within a 99% ellipse that is calculated but not drawn.
X	EXCLUDED	**STOP** - immediate review of data and/or testing procedure is required. Results fall outside the 99% ellipse. See specific notes following each table for more information on why the data is excluded.
M	EXCLUDED	**PROCEED** - lab was unable to report data for at least one sample.

Key for Web Summary Report (Page 2 of 2)

Graph - For each laboratory, the LAB MEAN for the first sample (x-axis) is plotted against the LAB MEAN for the second sample (y-axis) with each point representing a laboratory. The horizontal and vertical cross-hairs are the GRAND MEANS for each sample. When 20 or more laboratories are in the statistics, an ellipse is also drawn so that 95% of the time a randomly selected laboratory will be included inside the ellipse. Plotted data flags are explained above.

Common Problems Highlighted in Footnotes

1. ***Extreme data*** - The laboratory's results for one or both samples are so inconsistent with those of the other participants that the lab mean(s) fall outside the plot. The participant is advised to immediately review his data and/or testing procedure.

2. ***Systematic bias*** - The laboratory's results are either consistently high or low for both samples when compared to the other participants (the plotted point falls near the top or bottom of the ellipse). This indicates that the participant is performing the test with a constant bias. Causes of systematic errors include improper calibration, the particular make/model of equipment or a modification to the testing procedure.

3. ***Inconsistency in testing between samples/sample sets*** - The laboratory's results indicate that there are differences in the way the two samples tested (the plotted point falls to the side of the ellipse). This type of error may be attributed to the analyst deviating from the procedure when testing one of the samples or a material interaction occurrence with the instrument or room conditions. The inconsistency is reflected in the CPVs for the two samples, such as a +1.5 CPV for sample A and a -2.2 CPV for sample B. CTS also will specify if the laboratory's data for one sample are high/low compared to the other participants. If this inconsistency is slight, the lab's plotted point will be an * that falls on the edge of the ellipse.

4. ***Inconsistency in testing within a sample*** - The laboratory's within-lab standard deviation for a specified sample is high when compared to the other participants, often causing the lab's plotted point to fall outside of the ellipse.

Labs flagged with an * are not typically included in the footnotes of a data table. These labs may locate their position in the control ellipse and use the definitions above to help identify the type of testing error. An * should serve as a caution flag, a "yellow light", to a lab. If this error is repeated in future rounds, a lab may need to stop and review its testing procedures. The initial data flag is not cause for alarm. Interlaboratory tests conducted at regular intervals permit a lab to recognize trends in testing.

Results Summary for Web Summary Report #56

Plastics Interlaboratory Testing Program

Analysis 704 - Tensile Stress at Yield				
Material: ABS/PC	Sample F49	8,930.44	psi	1.66% COV
	Sample F50	8,007.69	psi	1.46% COV
Analysis 705 - Tensile Stress at Break				
Material: ABS/PC	Sample F49	6,879.68	psi	2.06% COV
	Sample F50	6,480.25	psi	1.91% COV
Analysis 706 - Percent Elongation at Yield				
Material: ABS/PC	Sample F49	3.8729	Percent	3.42% COV
	Sample F50	4.1817	Percent	3.34% COV
Analysis 708 - Modulus of Elasticity				
Material: ABS/PC	Sample F49	405.21	ksi	5.33% COV
	Sample F50	345.04	ksi	5.01% COV
Analysis 730 - Tensile Stress at Yield, ISO Method				
Material: ABS/PC	Sample C49	60.950	MPa	1.59% COV
	Sample C50	54.664	MPa	1.28% COV
Analysis 731 - Tensile Stress at Break, ISO Method				
Material: ABS/PC	Sample C49	46.844	MPa	1.91% COV
	Sample C50	43.865	MPa	1.59% COV
Analysis 732 - Strain at Yield, ISO Method				
Material: ABS/PC	Sample C49	3.7290	Percent	3.34% COV
	Sample C50	4.0660	Percent	3.72% COV
Analysis 734 - Modulus of Elasticity, ISO Method				
Material: ABS/PC	Sample C49	2,774.92	MPa	3.26% COV
	Sample C50	2,372.73	MPa	3.11% COV
Analysis 720 - Flexural Modulus				
Material: ABS/PC	Sample J49	418.13	ksi	4.55% COV
	Sample J50	356.72	ksi	5.20% COV
Analysis 721 - Flexural Stress at 5% Strain				
Material: ABS/PC	Sample J49	14,172.03	psi	3.30% COV
	Sample J50	12,376.23	psi	3.16% COV
Analysis 722 - Flexural Stress at Yield				
Material: ABS/PC	Sample J49	14,203.66	psi	4.00% COV
	Sample J50	12,450.35	psi	3.87% COV
Analysis 736 - Flexural Modulus				
Material: ABS/PC	Sample K49	2,759.23	MPa	3.97% COV
	Sample K50	2,380.94	MPa	4.02% COV
Analysis 737 - Flexural Stress at 3.5% Strain				
Material: ABS/PC	Sample K49	86.243	MPa	2.13% COV
	Sample K50	74.128	MPa	2.18% COV
Analysis 738 - Flexural Stress at Yield				
Material: ABS/PC	Sample K49	95.249	MPa	2.08% COV
	Sample K50	84.683	MPa	2.22% COV

Results Summary for Web Summary Report #56

Plastics Interlaboratory Testing Program

Analysis 790 - Notched Izod Impact				
Material: ABS/PC	Sample S49	2.4365	ft.lbf/in	20.2% COV
	Sample S50	9.9783	ft.lbf/in	5.39% COV
Analysis 792 - Notched Charpy Impact				
Material: ABS/PC	Sample M49	14.918	kJ/m^2	22.8% COV
	Sample M50	47.671	kJ/m^2	7.73% COV
Analysis 710 - Deflection Temp. Under Flexural Load (1.82 MPa)				
Material: ABS	Sample E49	79.963	Degrees C	1.78% COV
	Sample E50	80.523	Degrees C	1.78% COV
Analysis 711 - Deflection Temp. Under Flexural Load (0.455 MPa)				
Material: PP	Sample G49	97.539	Degrees C	7.37% COV
	Sample G50	98.172	Degrees C	7.73% COV
Analysis 712 - Temperature of Deflection (1.80 MPa)				
Material: HIPS	Sample N49	80.103	Degrees C	1.32% COV
	Sample N50	78.134	Degrees C	1.46% COV
Analysis 715 - Vicat Temperature (Rate A)				
Material: ABS	Sample H49	111.96	Degrees C	0.766% COV
	Sample H50	117.17	Degrees C	0.827% COV
Analysis 716 - Vicat Temperature (Rate B)				
Material: ABS/PC	Sample R49	142.91	Degrees C	0.671% COV
	Sample R50	128.42	Degrees C	1.35% COV
Analysis 750 - Flow Rate (190C or 230C/2.16 kg)				
Material: PP	Sample X49	13.289	grams/10 mins	4.80% COV
	Sample X50	10.801	grams/10 mins	5.91% COV
Analysis 718 - Specific Gravity				
Material: ABS	Sample T49	1.0465	sp gr 23/23 C	0.170% COV
	Sample T50	1.0427	sp gr 23/23 C	0.181% COV
Analysis 757 - Ash Content				
Material: PP	Sample L49	31.382	Percent	0.700% COV
	Sample L50	39.789	Percent	0.340% COV
Analysis 770 - Tensile Stress at Yield, Films				
Material: LDPE	Sample B49	1,861.89	psi	8.66% COV
	Sample B50	2,033.97	psi	22.6% COV
Analysis 771 - Tensile Stress at Break, Films				
Material: LDPE	Sample B49	4,339.55	psi	7.34% COV
	Sample B50	4,183.69	psi	16.4% COV
Analysis 772 - Elongation at Yield, Films				
Material: LDPE	Sample B49	11.222	Percent	59.5% COV
	Sample B50	39.356	Percent	87.3% COV
Analysis 773 - Elongation at Break, Films				
Material: LDPE	Sample B49	119.15	Percent	17.6% COV
	Sample B50	585.23	Percent	20.1% COV

Results Summary for Web Summary Report #56

Plastics Interlaboratory Testing Program

Analysis 774 - Thickness of Film Specimens				
Material: LDPE	Sample B49	1.3119	mils	5.87% COV
	Sample B50	1.9477	mils	3.13% COV
Analysis 780 - Static Friction				
Material: LDPE	Sample P49	0.21517	COF	14.2% COV
	Sample P50	0.19406	COF	17.3% COV
Analysis 781 - Kinetic Friction				
Material: LDPE	Sample P49	0.17928	COF	6.46% COV
	Sample P50	0.13052	COF	13.3% COV
Analysis 782 - Tear Resistance of Film				
Material: LDPE	Sample Q49	431.46	grams-force	21.9% COV
	Sample Q50	47.255	grams-force	35.2% COV
Analysis 785 - Percent Haze				
Material: LDPE	Sample D49	12.933	Percent	6.50% COV
	Sample D50	13.772	Percent	7.72% COV
Analysis 786 - Total Transmittance				
Material: LDPE	Sample D49	92.791	Percent	1.23% COV
	Sample D50	93.001	Percent	1.21% COV

Plastics Interlaboratory Testing Program

Analysis 704

Tensile Stress at Yield - psi

WebCode	Data Flag	Sample F49 Lab Mean	Sample F49 Diff from Grand Mean	Sample F49 CPV	Sample F50 Lab Mean	Sample F50 Diff from Grand Mean	Sample F50 CPV
12F6ZE		8,909.7	-20.7	-0.14	7,981.5	-26.2	-0.22
14ABRG	*	9,029.2	98.8	0.66	7,903.0	-104.7	-0.89
151MB3		9,050.2	119.8	0.81	8,128.2	120.5	1.03
2F398L		8,728.4	-202.0	-1.36	7,841.6	-166.1	-1.42
2FYARC		9,038.8	108.4	0.73	8,017.6	9.9	0.08
2MVAU3		9,140.0	209.6	1.41	8,246.0	238.3	2.04
3F6BXD		8,899.6	-30.9	-0.21	7,855.3	-152.4	-1.30
3GD5SN		8,951.3	20.8	0.14	7,966.3	-41.4	-0.35
44TLVL	X	9,395.4	465.0	3.13	8,182.6	174.9	1.49
4KWTMY		9,093.7	163.2	1.10	8,136.7	129.0	1.10
5X3MTQ		8,966.4	36.0	0.24	7,983.4	-24.3	-0.21
5ZZN57		8,870.0	-60.4	-0.41	8,022.0	14.3	0.12
6CHHTV	*	8,702.3	-228.1	-1.53	7,716.1	-291.6	-2.49
6TUQEM		9,039.6	109.2	0.73	8,034.4	26.7	0.23
7BWBXT		8,789.8	-140.6	-0.95	7,880.0	-127.7	-1.09
7KG6DS		9,062.0	131.6	0.89	8,098.0	90.3	0.77
7S18Y1		8,935.4	5.0	0.03	8,008.8	1.1	0.01
8528AQ		8,973.8	43.4	0.29	8,061.8	54.1	0.46
92LQS9		8,716.8	-213.6	-1.44	7,872.7	-135.0	-1.15
9GPX6N		8,998.2	67.8	0.46	7,971.3	-36.3	-0.31
9NHWAS		9,105.8	175.4	1.18	8,005.4	-2.3	-0.02
A6M1WH		8,920.3	-10.2	-0.07	8,015.7	8.0	0.07
A7HWJ4		9,040.0	109.6	0.74	8,012.0	4.3	0.04
ABKP1B		8,779.8	-150.6	-1.01	7,884.4	-123.3	-1.05
AC1X87		8,935.8	5.4	0.04	8,150.4	142.7	1.22
AV9L5C		8,667.8	-262.6	-1.77	7,887.2	-120.5	-1.03
B437YT		8,817.5	-112.9	-0.76	7,919.5	-88.2	-0.75
BR5QUE		8,775.0	-155.4	-1.05	7,920.2	-87.5	-0.75
BWM5P9		8,997.5	67.0	0.45	8,053.1	45.4	0.39
CB2CN3		8,992.2	61.8	0.42	8,153.0	145.3	1.24
CC1KXV		8,814.2	-116.2	-0.78	8,016.0	8.3	0.07
CMA6JC		8,990.2	59.8	0.40	8,108.2	100.5	0.86

Plastics Interlaboratory Testing Program

Analysis 704

Tensile Stress at Yield - psi

WebCode	Data Flag	Sample F49 Lab Mean	Sample F49 Diff from Grand Mean	Sample F49 CPV	Sample F50 Lab Mean	Sample F50 Diff from Grand Mean	Sample F50 CPV
CMKEV3	X	8,288.2	-642.2	-4.32	7,598.8	-408.9	-3.49
CN2Z1U	*	8,914.0	-16.4	-0.11	7,814.0	-193.7	-1.65
CTWQR6		8,906.0	-24.4	-0.16	7,950.2	-57.5	-0.49
CW35DT		8,769.1	-161.4	-1.09	7,985.8	-21.8	-0.19
DGJN58		9,125.4	195.0	1.31	8,124.2	116.5	1.00
E8D6DD		9,067.8	137.4	0.92	8,148.3	140.6	1.20
F7TBYT		8,823.2	-107.2	-0.72	7,988.2	-19.5	-0.17
FE1LZ1		8,817.6	-112.8	-0.76	7,983.8	-23.9	-0.20
GJWEVJ		8,900.8	-29.6	-0.20	7,957.8	-49.9	-0.43
GS1RCM		9,075.4	145.0	0.98	8,137.8	130.1	1.11
GSPYT6		8,956.0	25.6	0.17	8,036.0	28.3	0.24
H4PT3J		9,068.8	138.4	0.93	8,165.0	157.3	1.34
H52VWS		9,215.8	285.3	1.92	8,217.9	210.2	1.80
H5G8CP		8,979.2	48.8	0.33	8,094.2	86.5	0.74
H6DNVY		8,869.7	-60.7	-0.41	7,963.8	-43.9	-0.37
HE8P3P		8,758.0	-172.4	-1.16	7,946.0	-61.7	-0.53
HJ83AE		8,955.8	25.4	0.17	7,937.6	-70.1	-0.60
HJEQAF		8,980.0	49.6	0.33	8,040.0	32.3	0.28
HP1R3H		8,998.8	68.4	0.46	8,061.8	54.1	0.46
HXRGCP		8,862.1	-68.4	-0.46	7,978.6	-29.1	-0.25
HYEZ6W		8,834.0	-96.4	-0.65	7,996.0	-11.7	-0.10
J14SG4	X	8,000.8	-929.6	-6.26	7,240.0	-767.7	-6.56
JDVBD9	X	7,083.2	-1,847.2	-12.43	6,180.8	-1,826.9	-15.61
KW3VTH		9,094.2	163.8	1.10	8,102.8	95.1	0.81
L2357A		8,859.4	-71.0	-0.48	7,927.4	-80.3	-0.69
L7NVCK		9,074.5	144.1	0.97	8,152.9	145.2	1.24
LA79SM		9,202.8	272.4	1.83	8,237.8	230.1	1.97
M3LQZ6		8,841.2	-89.2	-0.60	7,966.2	-41.5	-0.35
M8KKDL		8,834.6	-95.8	-0.64	7,957.8	-49.9	-0.43
MKAUUW		8,947.6	17.2	0.12	8,069.0	61.3	0.52
NMQH2B		8,865.6	-64.8	-0.44	7,976.8	-30.9	-0.26
NMYC61		9,150.2	219.8	1.48	8,103.6	95.9	0.82

Plastics Interlaboratory Testing Program

Analysis 704

Tensile Stress at Yield - psi

WebCode	Data Flag	Sample F49 Lab Mean	Sample F49 Diff from Grand Mean	Sample F49 CPV	Sample F50 Lab Mean	Sample F50 Diff from Grand Mean	Sample F50 CPV
NS7DLA		9,286.8	356.4	2.40	8,245.8	238.1	2.03
PBMP8A	X	8,731.4	-199.0	-1.34	7,548.8	-458.9	-3.92
PBZLPG		8,728.7	-201.7	-1.36	7,915.4	-92.3	-0.79
QGHV1T		8,933.0	2.6	0.02	7,975.2	-32.5	-0.28
QHSZMJ		9,103.2	172.8	1.16	8,179.6	171.9	1.47
RE1D28		8,796.0	-134.4	-0.90	7,969.2	-38.5	-0.33
RPYDZ9		9,023.3	92.9	0.63	8,092.6	85.0	0.73
S1VGKX	X	9,017.9	87.5	0.59	7,843.4	-164.3	-1.40
S6ETVU		8,908.4	-22.0	-0.15	7,951.4	-56.3	-0.48
S9JWVM		8,812.6	-117.9	-0.79	7,945.2	-62.5	-0.53
SJGE2Q	*	8,493.5	-437.0	-2.94	7,655.2	-352.5	-3.01
SWDP1B		8,880.4	-50.0	-0.34	7,974.0	-33.7	-0.29
T72BC3		9,025.6	95.2	0.64	8,095.0	87.3	0.75
T7BFHW		8,865.2	-65.2	-0.44	7,984.2	-23.5	-0.20
THX1ZR		8,827.0	-103.4	-0.70	8,025.4	17.7	0.15
TMGZEM		8,948.8	18.4	0.12	8,031.4	23.8	0.20
U6593L		8,635.4	-295.0	-1.99	7,882.8	-124.9	-1.07
U78C4B		8,600.8	-329.6	-2.22	7,771.2	-236.5	-2.02
U8F3VB	X	9,498.0	567.6	3.82	8,538.0	530.3	4.53
VQKBS6	*	8,800.7	-129.8	-0.87	7,745.1	-262.6	-2.24
VRG8C4		8,982.6	52.2	0.35	8,015.2	7.5	0.06
WFWS51		8,974.1	43.7	0.29	7,977.1	-30.5	-0.26
WUA1X9		8,941.1	10.6	0.07	8,045.0	37.3	0.32
X488U6		8,869.2	-61.2	-0.41	7,912.6	-95.1	-0.81
Y638TY	*	9,300.0	369.6	2.49	8,213.6	205.9	1.76
YSE63A		8,946.0	15.6	0.10	8,116.4	108.7	0.93
YU455R		8,806.0	-124.4	-0.84	7,938.4	-69.3	-0.59
ZH9MAW		9,120.3	189.9	1.28	8,125.4	117.7	1.01

Plastics Interlaboratory Testing Program
Analysis 704
Tensile Stress at Yield - psi

Summary Statistics

Grand Means		
	8,930.44 psi	8,007.69 psi
Stnd Dev Btwn Labs		
	148.61 psi	117.06 psi

Statistics based on 85 of 92 reporting participants

Sample F49: ABS/PC **& Sample F50:** ABS/PC

Comments on assigned Data Flags for Test #704

44TLVL (X) - High data for Sample F49.

CMKEV3 (X) - Low data for all samples.

J14SG4 (X) - Low data for all samples.

JDVBD9 (X) - Low and variable data for all samples.

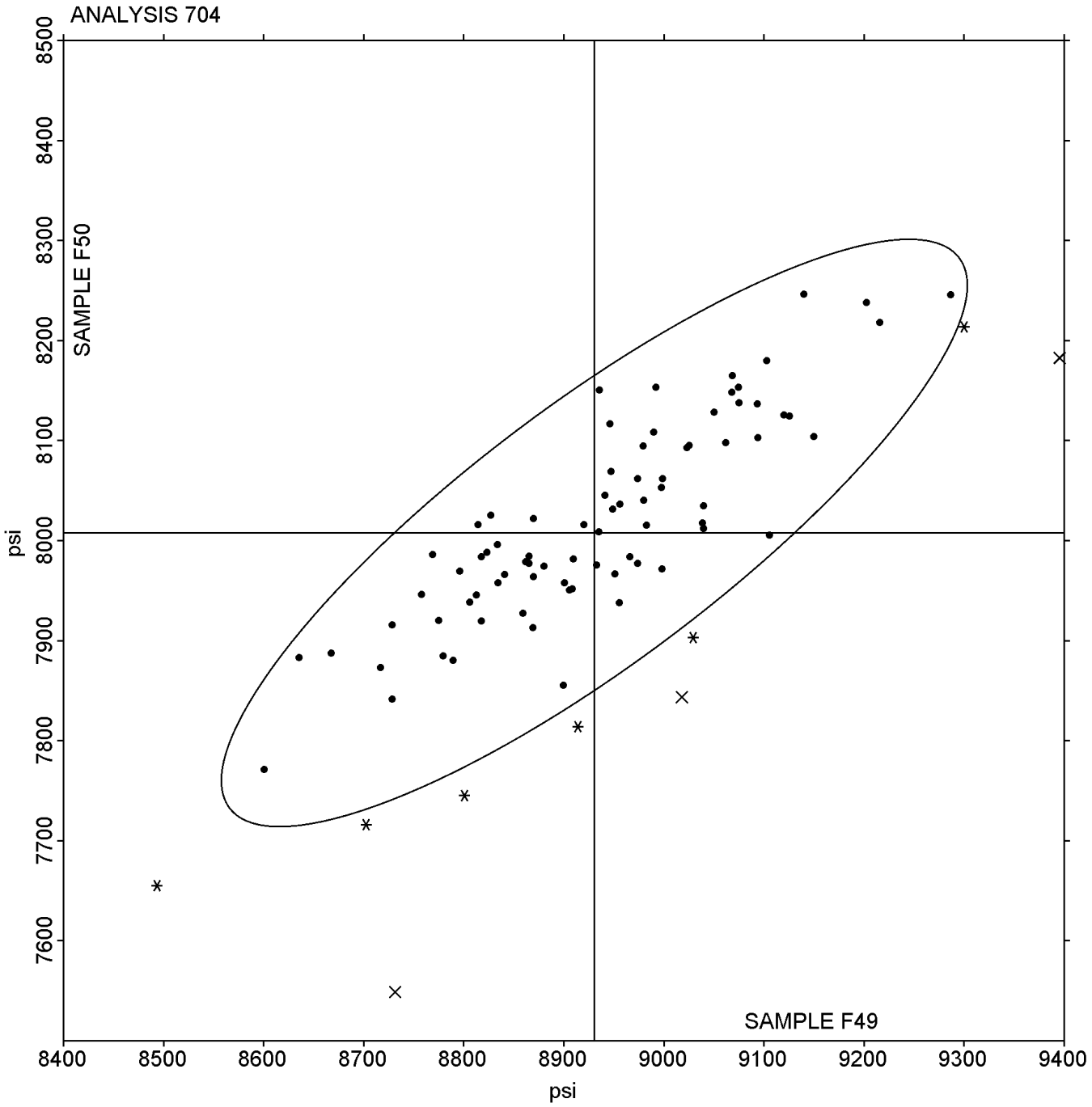
PBMP8A (X) - Low data for Sample F50.

S1VGKX (X) - Inconsistent in testing between samples.

U8F3VB (X) - High and variable data for all samples.

Plastics Interlaboratory Testing Program
Analysis 704
Tensile Stress at Yield - psi

Grand Mean Sample F49: 8,930.44 psi **Grand Mean Sample F50:** 8,007.69 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 705

Tensile Stress at Break - psi

WebCode	Data Flag	Sample F49 Lab Mean	Sample F49 Diff from Grand Mean	Sample F49 CPV	Sample F50 Lab Mean	Sample F50 Diff from Grand Mean	Sample F50 CPV
15YW4V		6,742.6	-137.1	-0.97	6,493.2	13.0	0.10
1NA6S2		6,955.0	75.4	0.53	6,468.6	-11.6	-0.09
3A3AWU		6,822.4	-57.3	-0.40	6,491.4	11.2	0.09
41LJH5		6,928.6	48.9	0.35	6,672.8	192.6	1.56
43KZDK		6,854.1	-25.5	-0.18	6,401.0	-79.3	-0.64
4QNB5Q		6,901.6	21.9	0.15	6,425.0	-55.2	-0.45
5UDMJH		6,875.6	-4.1	-0.03	6,516.4	36.2	0.29
5UQ7JL		6,871.8	-7.9	-0.06	6,442.6	-37.6	-0.30
5YGABV		6,920.6	40.9	0.29	6,495.4	15.2	0.12
62TVEM		7,072.1	192.4	1.36	6,626.8	146.6	1.18
71Y1AE	X	7,786.0	906.3	6.40	6,378.0	-102.2	-0.83
79QNQ2		6,596.4	-283.3	-2.00	6,297.6	-182.7	-1.48
7B1ECY	X	6,772.8	-106.9	-0.76	7,122.8	642.6	5.19
7QWM9Z	X	6,795.7	-83.9	-0.59	6,068.3	-411.9	-3.33
8LNRQJ		6,980.4	100.7	0.71	6,508.4	28.2	0.23
8R1NP8		6,909.6	29.9	0.21	6,558.2	78.0	0.63
8W14LD		6,602.5	-277.2	-1.96	6,357.1	-123.2	-1.00
B22G35		6,974.6	95.0	0.67	6,483.2	3.0	0.02
B9VVJW		6,674.7	-205.0	-1.45	6,494.8	14.6	0.12
BBMQMR		6,671.8	-207.9	-1.47	6,439.7	-40.5	-0.33
BJ6XCU		6,873.8	-5.9	-0.04	6,586.0	105.8	0.85
BR4KDC		6,948.2	68.5	0.48	6,616.2	136.0	1.10
CDL56D	X	6,392.6	-487.1	-3.44	6,005.8	-474.4	-3.83
CEB5BB		6,872.4	-7.3	-0.05	6,537.8	57.6	0.46
CGBK81		6,947.4	67.7	0.48	6,553.4	73.2	0.59
CK8UP3		6,724.0	-155.7	-1.10	6,393.3	-86.9	-0.70
DR379U	X	6,412.2	-467.5	-3.30	6,078.8	-401.4	-3.24
ECA6LN		6,782.3	-97.4	-0.69	6,201.6	-278.7	-2.25
EUMN6K		6,820.0	-59.7	-0.42	6,480.0	-0.2	0.00
EZASRK	*	7,233.1	353.4	2.50	6,465.5	-14.7	-0.12
F3U1Q1	*	6,915.7	36.0	0.25	6,165.6	-314.7	-2.54
F416UE		6,883.2	3.5	0.02	6,559.6	79.4	0.64

Plastics Interlaboratory Testing Program

Analysis 705

Tensile Stress at Break - psi

WebCode	Data Flag	Sample F49 Lab Mean	Sample F49 Diff from Grand Mean	Sample F49 CPV	Sample F50 Lab Mean	Sample F50 Diff from Grand Mean	Sample F50 CPV
FKA9KX		6,761.2	-118.5	-0.84	6,550.4	70.2	0.57
GMU21T		6,886.4	6.7	0.05	6,434.6	-45.6	-0.37
H9A6UD		6,930.5	50.9	0.36	6,681.7	201.4	1.63
HQBV9E		6,906.5	26.8	0.19	6,585.1	104.8	0.85
HQCH65		6,996.8	117.1	0.83	6,276.2	-204.0	-1.65
J6DT58		6,901.8	22.1	0.16	6,512.0	31.8	0.26
JAY2PJ	X	6,862.2	-17.5	-0.12	5,450.8	-1,029.4	-8.31
JHR11N		6,985.6	105.9	0.75	6,481.8	1.6	0.01
JTKB7G		6,782.2	-97.5	-0.69	6,425.2	-55.0	-0.44
K2N74P		6,913.4	33.7	0.24	6,500.8	20.6	0.17
K3PU6P		6,932.3	52.6	0.37	6,265.1	-215.1	-1.74
KX52JA		6,739.7	-140.0	-0.99	6,521.0	40.7	0.33
LF1BVX		6,804.4	-75.2	-0.53	6,363.4	-116.8	-0.94
LF69AR		6,902.6	22.9	0.16	6,623.0	142.8	1.15
LXY72N		6,896.8	17.1	0.12	6,337.8	-142.4	-1.15
M27K8A		7,112.6	232.9	1.65	6,602.0	121.8	0.98
MADE3L		6,812.5	-67.2	-0.47	6,443.5	-36.7	-0.30
MVS35L		6,912.8	33.2	0.23	6,597.2	117.0	0.94
P2ZZSH		6,696.4	-183.3	-1.30	6,230.6	-249.6	-2.02
P74L79		6,781.8	-97.9	-0.69	6,414.8	-65.4	-0.53
PMSR2H		6,830.0	-49.7	-0.35	6,290.0	-190.2	-1.54
Q9UGN8		6,904.0	24.3	0.17	6,524.0	43.8	0.35
QBGMXH	*	7,256.0	376.3	2.66	6,680.4	200.2	1.62
QVBKKB		7,050.0	170.3	1.20	6,692.0	211.8	1.71
RJ12RS		6,815.8	-63.9	-0.45	6,542.2	62.0	0.50
S5V7SM		6,870.0	-9.7	-0.07	6,464.0	-16.2	-0.13
SYGPZT		7,222.8	343.1	2.42	6,684.6	204.4	1.65
TQT17N		6,967.0	87.3	0.62	6,645.6	165.4	1.34
TWHFZ1		6,892.3	12.6	0.09	6,657.3	177.0	1.43
TXL123		7,020.0	140.3	0.99	6,380.0	-100.2	-0.81
TZAM4N		6,697.9	-181.8	-1.28	6,300.5	-179.8	-1.45
UUWJFP		6,599.8	-279.9	-1.98	6,325.8	-154.4	-1.25

Plastics Interlaboratory Testing Program

Analysis 705

Tensile Stress at Break - psi

WebCode	Data Flag	Sample F49 Lab Mean	Sample F49 Diff from Grand Mean	Sample F49 CPV	Sample F50 Lab Mean	Sample F50 Diff from Grand Mean	Sample F50 CPV
UXS3DY		6,914.2	34.5	0.24	6,555.0	74.7	0.60
V78FLU		6,636.8	-242.9	-1.72	6,280.4	-199.8	-1.61
VX4UE7		6,803.8	-75.9	-0.54	6,552.6	72.4	0.58
WE3QNB		7,069.4	189.7	1.34	6,650.8	170.6	1.38
WMVETE		6,976.4	96.7	0.68	6,613.8	133.5	1.08
WQ2QTM		6,630.0	-249.7	-1.76	6,457.4	-22.8	-0.18
XJNFQM	X	7,466.6	586.9	4.15	6,848.7	368.5	2.98
XP77V7		6,956.0	76.3	0.54	6,464.4	-15.8	-0.13
YBQ4G9		6,697.9	-181.8	-1.28	6,439.7	-40.5	-0.33
YN6Q2H		6,958.6	78.9	0.56	6,450.4	-29.8	-0.24
YSPT22		6,898.4	18.7	0.13	6,489.0	8.8	0.07
Z9U9B3		7,068.4	188.7	1.33	6,448.8	-31.4	-0.25
ZYCRK6		6,831.3	-48.3	-0.34	6,451.3	-28.9	-0.23

Summary Statistics

	Sample F49	Sample F50
Grand Means	6,879.68 psi	6,480.25 psi
Stnd Dev Btwn Labs	141.53 psi	123.81 psi

Statistics based on 70 of 77 reporting participants

Sample F49: ABS/PC **& Sample F50:** ABS/PC

Comments on assigned Data Flags for Test #705

71Y1AE (X) - High and variable data for Sample F49.

7B1ECY (X) - High data for Sample F50. Variable data for all samples.

7QWM9Z (X) - Low data for Sample F50.

CDL56D (X) - Low data for all samples. Variable data for Sample F50.

DR379U (X) - Low data for all samples.

JAY2PJ (X) - Low data for Sample F50.

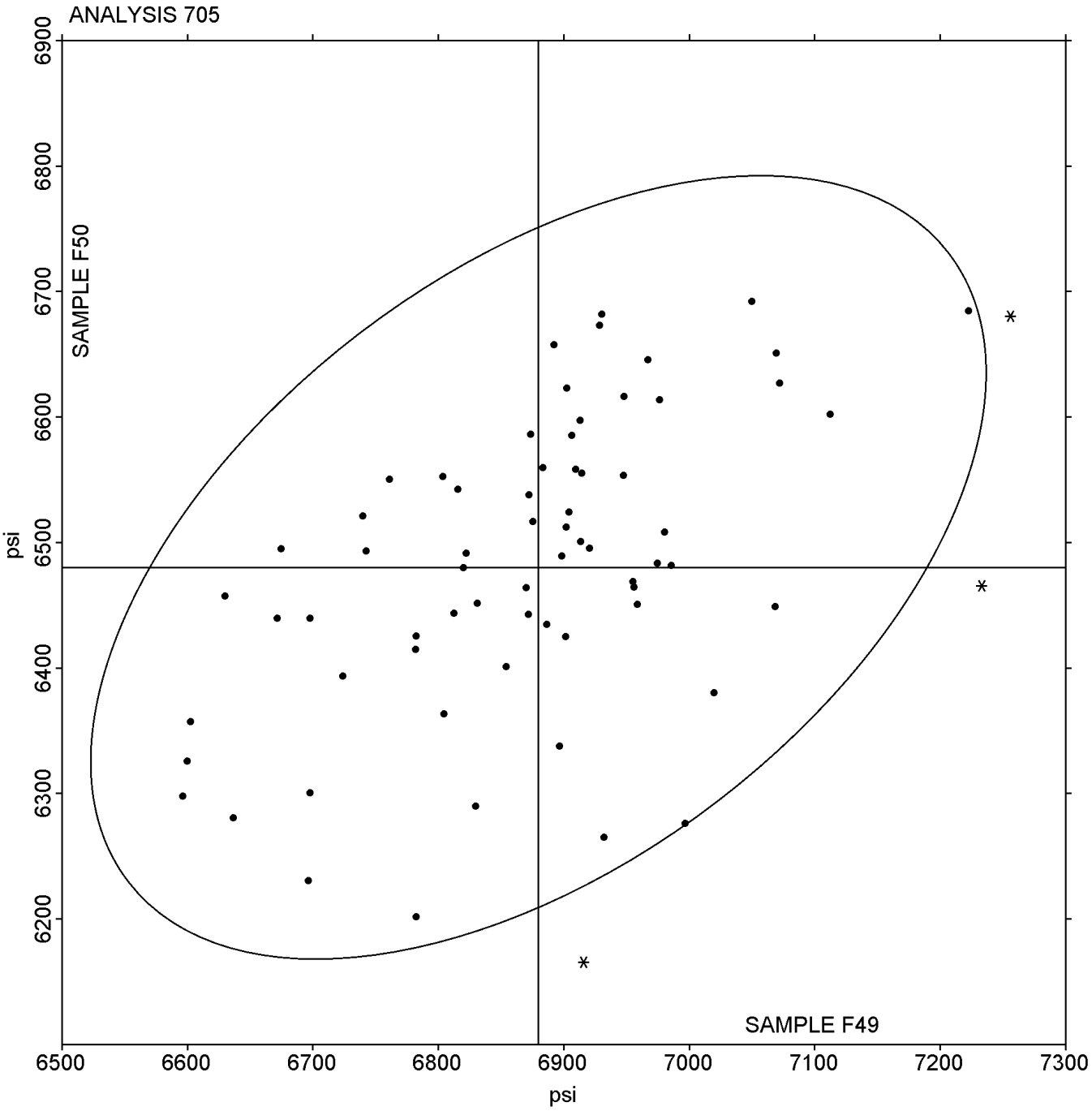
XJNFQM (X) - High and variable data for all samples.

Plastics Interlaboratory Testing Program

Analysis 705

Tensile Stress at Break - psi

Grand Mean Sample F49: 6,879.68 psi **Grand Mean Sample F50:** 6,480.25 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 706

Percent Elongation at Yield - Percent

WebCode	Data Flag	Sample F49 Lab Mean	Sample F49 Diff from Grand Mean	Sample F49 CPV	Sample F50 Lab Mean	Sample F50 Diff from Grand Mean	Sample F50 CPV
12CR9P		3.986	0.113	0.85	4.248	0.066	0.47
19MQJN		3.896	0.023	0.17	4.246	0.064	0.46
1JAYE8		3.699	-0.174	-1.32	3.989	-0.193	-1.38
2126F7		3.940	0.067	0.51	4.134	-0.048	-0.34
3KMU6R		3.946	0.073	0.55	4.300	0.118	0.85
4BMU35	X	4.080	0.207	1.57	4.040	-0.142	-1.01
4BX86E		3.670	-0.203	-1.53	3.970	-0.212	-1.52
5LD2NV		3.990	0.117	0.89	4.258	0.076	0.55
5SAWC3	X	3.666	-0.207	-1.56	4.384	0.202	1.45
68JPQ5		3.980	0.107	0.81	4.178	-0.004	-0.03
6ATWG4		3.866	-0.007	-0.05	4.268	0.086	0.62
6HHFZR	X	3.260	-0.613	-4.63	3.360	-0.822	-5.88
6MPY2J	X	1.616	-2.257	-17.06	1.832	-2.350	-16.82
8CBSYT		3.884	0.011	0.08	4.152	-0.030	-0.21
8WGWFQ	X	4.534	0.661	5.00	4.540	0.358	2.57
A1A31M	X	8.060	4.187	31.65	8.430	4.248	30.42
A96Y72		3.932	0.059	0.45	4.238	0.056	0.40
B6NE9B		3.720	-0.153	-1.16	4.016	-0.166	-1.19
BBK3YG		3.952	0.079	0.60	4.378	0.196	1.41
BD8MRZ		3.722	-0.151	-1.14	3.972	-0.210	-1.50
BET2MY	X	4.422	0.549	4.15	4.174	-0.008	-0.06
C6GNL4	X	4.374	0.501	3.79	4.772	0.590	4.23
CCQ459	X	4.510	0.637	4.82	4.978	0.796	5.70
CJNCCJ		3.806	-0.067	-0.51	4.092	-0.090	-0.64
CMSSZM	X	39.630	35.757	270.32	90.014	85.832	614.57
CWMCJG		3.700	-0.173	-1.31	4.010	-0.172	-1.23
D5UWGS		3.772	-0.101	-0.76	4.136	-0.046	-0.33
EHE249		3.894	0.021	0.16	4.234	0.052	0.37
F9XG92		3.998	0.125	0.95	4.324	0.142	1.02
FF8XBK		3.890	0.017	0.13	4.110	-0.072	-0.51
FR453P		3.636	-0.237	-1.79	3.850	-0.332	-2.37
GBT9FM	*	3.494	-0.379	-2.86	3.786	-0.396	-2.83

Plastics Interlaboratory Testing Program

Analysis 706

Percent Elongation at Yield - Percent

WebCode	Data Flag	Sample F49 Lab Mean	Sample F49 Diff from Grand Mean	Sample F49 CPV	Sample F50 Lab Mean	Sample F50 Diff from Grand Mean	Sample F50 CPV
GLTZM4	X	1.620	-2.253	-17.03	3.300	-0.882	-6.31
H5TJRN	*	4.214	0.341	2.58	4.448	0.266	1.91
HCKYD8		3.780	-0.093	-0.70	4.052	-0.130	-0.93
HCLDLS		3.960	0.087	0.66	4.172	-0.010	-0.07
HUZF5Y		3.796	-0.077	-0.58	4.108	-0.074	-0.53
JF8NQL		4.076	0.203	1.54	4.400	0.218	1.56
JJGDZ7		3.912	0.039	0.30	4.272	0.090	0.65
KA8UWP		3.874	0.001	0.01	4.146	-0.036	-0.26
KM1KAZ		3.850	-0.023	-0.17	4.070	-0.112	-0.80
LEC9NG		4.036	0.163	1.23	4.246	0.064	0.46
LEZZSJ		3.972	0.099	0.75	4.256	0.074	0.53
LG1QTG		3.888	0.015	0.11	4.304	0.122	0.88
LLJWHY		3.756	-0.117	-0.88	4.076	-0.106	-0.76
LNMH5G		3.816	-0.057	-0.43	4.120	-0.062	-0.44
LZDJ6G		3.986	0.113	0.85	4.278	0.096	0.69
M8SZYQ		3.904	0.031	0.23	4.160	-0.022	-0.16
MWHRF4		3.946	0.073	0.55	4.290	0.108	0.78
N6ZVXS		3.844	-0.029	-0.22	4.262	0.080	0.58
NYD47J		3.875	0.002	0.02	4.206	0.024	0.17
P2CHPC		3.720	-0.153	-1.16	4.126	-0.056	-0.40
PBQFMF		4.074	0.201	1.52	4.426	0.244	1.75
PCBW83		3.916	0.043	0.33	4.252	0.070	0.50
PE9XXT		3.970	0.097	0.73	4.220	0.038	0.27
PM4QYE		3.810	-0.063	-0.48	4.100	-0.082	-0.58
R81DUM		3.794	-0.079	-0.60	4.036	-0.146	-1.04
S22DGJ	*	3.558	-0.315	-2.38	3.950	-0.232	-1.66
S4MF3D		3.912	0.039	0.30	4.160	-0.022	-0.16
SQPXG2		3.746	-0.127	-0.96	4.118	-0.064	-0.46
T58ASA	X	3.182	-0.691	-5.22	2.986	-1.196	-8.56
TNENZU		4.004	0.131	0.99	4.300	0.118	0.85
UJY5A5		3.746	-0.127	-0.96	4.178	-0.004	-0.03
VJSQMN		3.844	-0.029	-0.22	4.214	0.032	0.23

Plastics Interlaboratory Testing Program

Analysis 706

Percent Elongation at Yield - Percent

WebCode	Data Flag	Sample F49 Lab Mean	Sample F49 Diff from Grand Mean	Sample F49 CPV	Sample F50 Lab Mean	Sample F50 Diff from Grand Mean	Sample F50 CPV
W5A42B	X	4.388	0.515	3.89	4.328	0.146	1.05
XL7GLS	*	4.094	0.221	1.67	4.532	0.350	2.51
XZJAEQ		4.032	0.159	1.20	4.344	0.162	1.16
YDC66P		3.810	-0.063	-0.48	4.268	0.086	0.62
YW3E11		3.950	0.077	0.58	4.230	0.048	0.35
ZP2JL8		3.866	-0.007	-0.05	4.146	-0.036	-0.26
ZPSDK2		3.922	0.049	0.37	4.154	-0.028	-0.20
ZXZK9X		3.876	0.003	0.02	4.212	0.030	0.22

Summary Statistics

	Sample F49	Sample F50
Grand Means	3.8729 Percent	4.1817 Percent
Stnd Dev Btwn Labs	0.1323 Percent	0.1397 Percent

Statistics based on 59 of 72 reporting participants

Sample F49: ABS/PC **& Sample F50:** ABS/PC

Comments on assigned Data Flags for Test #706

4BMU35 (X) - Inconsistent in testing between samples.

5SAWC3 (X) - Inconsistent in testing between samples and inconsistent in testing within both samples.

6HHFZR (X) - Low data for all samples. Inconsistent in testing between samples and inconsistent in testing within both samples.

6MPY2J (X) - Low data for all samples.

8WGWFQ (X) - Inconsistent in testing between samples and inconsistent in testing within Sample F49. High data for Sample F49.

A1A31M (X) - High data for all samples.

BET2MY (X) - Inconsistent in testing between samples, data for Sample F49 are high.

C6GNL4 (X) - High data for all samples.

CCQ459 (X) - High data for all samples.

CMSSZM (X) - Extreme data.

GLTZM4 (X) - Low data for all samples. Inconsistent in testing between samples and inconsistent in testing within both samples.

T58ASA (X) - Low data for all samples.

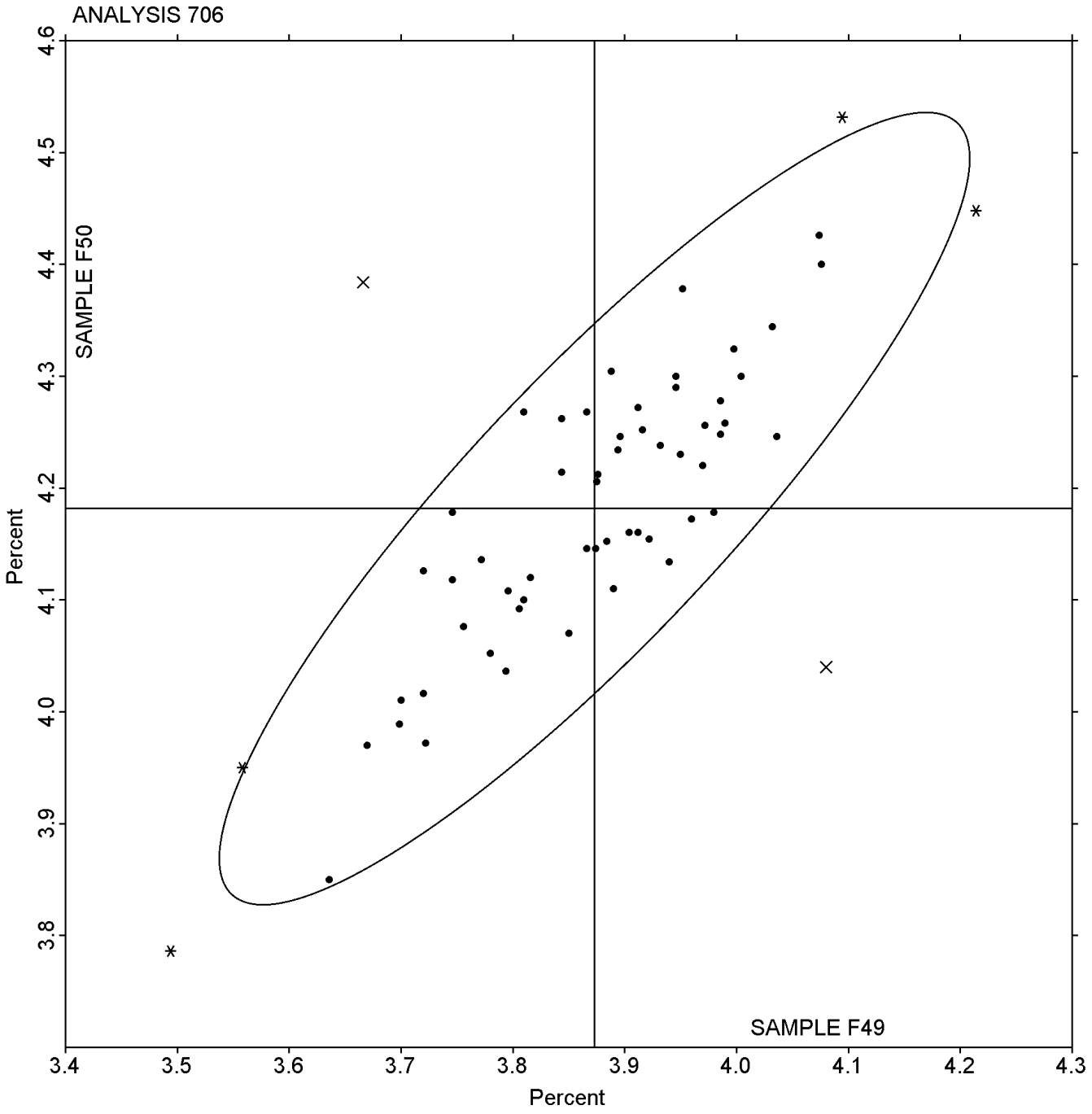
W5A42B (X) - Inconsistent in testing between samples, data for Sample F49 are high.

Plastics Interlaboratory Testing Program

Analysis 706

Percent Elongation at Yield - Percent

Grand Mean Sample F49: 3.8729 Percent **Grand Mean Sample F50:** 4.1817 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 708

Modulus of Elasticity - ksi

WebCode	Data Flag	Sample F49 Lab Mean	Sample F49 Diff from Grand Mean	Sample F49 CPV	Sample F50 Lab Mean	Sample F50 Diff from Grand Mean	Sample F50 CPV
1VRYXQ		403.40	-1.81	-0.08	352.96	7.92	0.46
2K5F1P		400.92	-4.29	-0.20	340.68	-4.36	-0.25
5KN4S5		408.38	3.17	0.15	348.85	3.81	0.22
7SWJ88		400.84	-4.37	-0.20	355.50	10.46	0.61
84SE7Q		408.74	3.53	0.16	354.12	9.08	0.53
9W47TQ		432.29	27.09	1.25	362.87	17.82	1.03
AX52UA		402.06	-3.15	-0.15	340.56	-4.48	-0.26
BG7KXU	*	350.52	-54.69	-2.53	298.74	-46.30	-2.68
BS8TYW		413.53	8.33	0.39	347.75	2.71	0.16
C35TXY		419.30	14.09	0.65	371.46	26.42	1.53
C5ZN9Z		426.16	20.95	0.97	355.12	10.08	0.58
D34HXD		403.24	-1.97	-0.09	337.88	-7.16	-0.41
D626C2		404.44	-0.77	-0.04	344.00	-1.04	-0.06
D7E81V	X	550.60	145.39	6.73	556.00	210.96	12.21
DDSUQR		388.68	-16.53	-0.76	330.88	-14.16	-0.82
DQRG1S	X	302.00	-103.21	-4.77	272.00	-73.04	-4.23
DU1RRN		415.06	9.85	0.46	351.86	6.82	0.39
DZ7JTL		415.00	9.79	0.45	350.20	5.16	0.30
EYSBD2		418.68	13.47	0.62	353.48	8.44	0.49
F7VU54		411.13	5.92	0.27	348.35	3.31	0.19
FGJE6J	*	339.44	-65.76	-3.04	299.90	-45.14	-2.61
FW2GCA		410.16	4.95	0.23	344.36	-0.68	-0.04
G1PWUK	X	448.48	43.27	2.00	353.42	8.38	0.48
GPT2UB		421.69	16.48	0.76	354.97	9.92	0.57
GTTTTA		391.40	-13.81	-0.64	351.00	5.96	0.34
J5WX38		431.88	26.67	1.23	360.72	15.68	0.91
J85T9L		378.00	-27.21	-1.26	325.60	-19.44	-1.13
JVYEZX	X	372.52	-32.69	-1.51	281.59	-63.45	-3.67
KBT2H5		402.56	-2.65	-0.12	355.42	10.38	0.60
KG4MC8		404.40	-0.81	-0.04	344.40	-0.64	-0.04
KNBC9Y		394.63	-10.58	-0.49	340.59	-4.45	-0.26
KSBRWZ		388.59	-16.62	-0.77	335.37	-9.68	-0.56

Plastics Interlaboratory Testing Program

Analysis 708

Modulus of Elasticity - ksi

WebCode	Data Flag	Sample F49 Lab Mean	Sample F49 Diff from Grand Mean	Sample F49 CPV	Sample F50 Lab Mean	Sample F50 Diff from Grand Mean	Sample F50 CPV
KUXBSF		386.01	-19.20	-0.89	322.45	-22.59	-1.31
L7WQ8R		381.31	-23.90	-1.11	325.90	-19.14	-1.11
L9L23N		415.22	10.01	0.46	349.72	4.67	0.27
M173ZJ		387.15	-18.06	-0.84	330.76	-14.29	-0.83
M2FNLT		425.68	20.47	0.95	359.54	14.50	0.84
M52FS1		406.60	1.40	0.06	347.75	2.70	0.16
MPHJMM		404.94	-0.27	-0.01	361.96	16.92	0.98
MT5BB4		364.80	-40.41	-1.87	304.00	-41.04	-2.38
NRBCMR	X	395.10	-10.10	-0.47	426.87	81.82	4.74
NU3YHQ		413.33	8.13	0.38	348.21	3.17	0.18
PC11A6		421.52	16.31	0.75	356.82	11.78	0.68
PU4WVL		399.79	-5.42	-0.25	344.76	-0.29	-0.02
QHCHKU		374.22	-30.99	-1.43	315.79	-29.25	-1.69
QXZ6DF		384.54	-20.67	-0.96	340.26	-4.78	-0.28
RDHP84		437.61	32.41	1.50	365.82	20.77	1.20
S9BG8U		383.91	-21.30	-0.99	312.62	-32.42	-1.88
SPPBKZ		391.18	-14.03	-0.65	339.76	-5.28	-0.31
SZ3GC2		408.84	3.63	0.17	365.96	20.92	1.21
T1UKDT		411.50	6.29	0.29	342.76	-2.28	-0.13
T654RM		393.96	-11.25	-0.52	327.26	-17.78	-1.03
U74NZZ	X	389.53	-15.68	-0.73	305.84	-39.20	-2.27
UD6375		418.30	13.09	0.61	352.54	7.50	0.43
UE6GYT		406.48	1.27	0.06	345.98	0.94	0.05
V64LDR		405.30	0.09	0.00	348.50	3.46	0.20
WK6FN9		410.62	5.41	0.25	348.98	3.94	0.23
WV2RSA		405.68	0.47	0.02	347.10	2.06	0.12
XA2HK6	X	370.22	-34.99	-1.62	253.30	-91.74	-5.31
XMCMRW	*	457.19	51.99	2.41	374.00	28.96	1.68
XPT5AW	*	445.22	40.01	1.85	358.66	13.62	0.79
YCZCRP		389.44	-15.77	-0.73	325.06	-19.98	-1.16
YEYV73		441.24	36.03	1.67	373.20	28.16	1.63
YJVHTR		440.04	34.83	1.61	373.80	28.76	1.66

Plastics Interlaboratory Testing Program
Analysis 708
Modulus of Elasticity - ksi

WebCode	Data Flag	Sample F49 Lab Mean	Sample F49 Diff from Grand Mean	Sample F49 CPV	Sample F50 Lab Mean	Sample F50 Diff from Grand Mean	Sample F50 CPV
YUKP7X	X	175.24	-229.97	-10.64	155.30	-189.74	-10.98

Summary Statistics

	Sample F49	Sample F50
Grand Means	405.206 ksi	345.044 ksi
Stnd Dev Btwn Labs	21.616 ksi	17.280 ksi

Statistics based on 57 of 65 reporting participants

Sample F49: ABS/PC **& Sample F50:** ABS/PC

Comments on assigned Data Flags for Test #708

D7E81V (X) - High and variable data for all samples.

DQRG1S (X) - Low data for all samples.

G1PWUK (X) - Inconsistent in testing between samples.

JVYEZX (X) - Low data for Sample F50.

NRBCMR (X) - High data for Sample F50. Variable data for all samples.

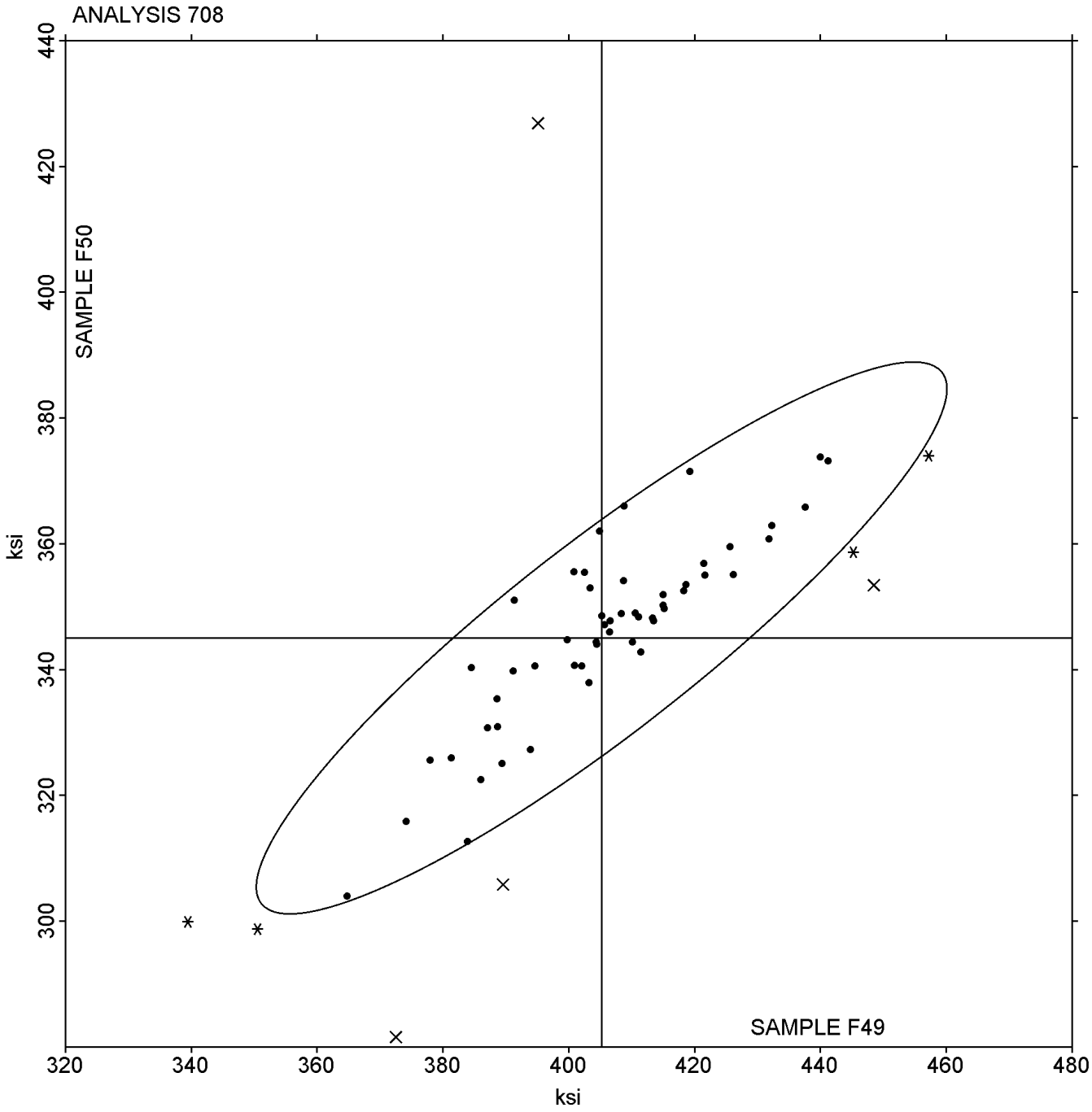
U74NZZ (X) - Inconsistent in testing between samples.

XA2HK6 (X) - Low data for Sample F50. Variable data for Sample F49.

YUKP7X (X) - Low data for all samples.

Plastics Interlaboratory Testing Program
Analysis 708
Modulus of Elasticity - ksi

Grand Mean Sample F49: 405.21 ksi **Grand Mean Sample F50:** 345.04 ksi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 730

Tensile Stress at Yield - MPa

WebCode	Data Flag	Sample C49 Lab Mean	Sample C49 Diff from Grand Mean	Sample C49 CPV	Sample C50 Lab Mean	Sample C50 Diff from Grand Mean	Sample C50 CPV
385SMR		62.03	1.08	1.12	55.40	0.73	1.05
3MC3BN		59.52	-1.43	-1.47	53.65	-1.02	-1.45
4UR7WL		60.80	-0.15	-0.16	54.44	-0.22	-0.31
4XSQ2L		61.86	0.91	0.94	54.94	0.27	0.39
4ZSE4C	X	59.36	-1.59	-1.64	54.62	-0.05	-0.07
5N7JAQ		60.19	-0.76	-0.78	53.93	-0.74	-1.05
7676AA		60.03	-0.92	-0.95	54.21	-0.46	-0.65
7CKE45		61.36	0.41	0.42	54.78	0.11	0.16
8PX9CD		62.25	1.30	1.34	55.49	0.83	1.18
AE6DES		59.49	-1.46	-1.51	54.22	-0.44	-0.63
B8LS61		60.09	-0.86	-0.89	53.85	-0.82	-1.16
BZLV2V		60.45	-0.50	-0.51	54.44	-0.23	-0.32
CTE47B		61.68	0.73	0.75	55.20	0.54	0.77
DGHEQ5		62.80	1.85	1.91	55.67	1.01	1.44
DRPUKC		59.63	-1.32	-1.36	53.91	-0.75	-1.08
DY2L8K		60.98	0.03	0.03	55.27	0.60	0.86
ED4DW5		60.66	-0.29	-0.30	54.18	-0.48	-0.69
FD8257		60.00	-0.95	-0.98	53.76	-0.90	-1.29
GLPHG7		61.24	0.29	0.30	54.34	-0.33	-0.47
GXDDKY		60.79	-0.16	-0.16	54.22	-0.44	-0.63
H6HD8N		60.43	-0.52	-0.53	54.41	-0.26	-0.37
HEB35U		60.87	-0.08	-0.09	54.26	-0.41	-0.58
HKCYGC		61.53	0.58	0.60	54.78	0.12	0.17
J828HB		61.52	0.57	0.59	55.18	0.52	0.74
J9NJWC		62.08	1.13	1.16	55.27	0.60	0.86
JET1TY		61.15	0.20	0.21	54.91	0.25	0.35
JSNBJL		60.56	-0.39	-0.40	54.20	-0.47	-0.67
JYKH6L		60.73	-0.22	-0.23	54.52	-0.14	-0.20
KSMGTL		62.09	1.14	1.18	55.13	0.47	0.67
LP6CBC		60.67	-0.28	-0.28	54.56	-0.11	-0.15
LWDNVH		60.64	-0.31	-0.32	54.44	-0.22	-0.32
MN2K4K		59.65	-1.30	-1.34	53.67	-0.99	-1.42

Plastics Interlaboratory Testing Program

Analysis 730

Tensile Stress at Yield - MPa

WebCode	Data Flag	Sample C49 Lab Mean	Sample C49 Diff from Grand Mean	Sample C49 CPV	Sample C50 Lab Mean	Sample C50 Diff from Grand Mean	Sample C50 CPV
MNW4WM		61.73	0.78	0.80	55.28	0.62	0.89
MREPUC		59.80	-1.15	-1.19	53.90	-0.76	-1.09
N9BS8F		60.90	-0.05	-0.05	55.23	0.57	0.81
NQMR1K		62.58	1.63	1.69	56.10	1.43	2.04
NTTGKD		61.56	0.61	0.63	55.75	1.08	1.55
P62UUM		62.43	1.48	1.53	55.67	1.00	1.43
PNSEPP	*	58.54	-2.41	-2.48	53.48	-1.18	-1.69
PXGSCP	X	61.51	0.56	0.57	53.60	-1.07	-1.52
RBPMGV		60.96	0.01	0.01	53.97	-0.69	-0.99
SCWSB5		59.46	-1.49	-1.54	53.61	-1.06	-1.51
SFUB1W		60.19	-0.76	-0.78	54.07	-0.60	-0.85
TBUJC7		63.25	2.30	2.37	56.22	1.55	2.22
U2XQB5		60.00	-0.95	-0.98	54.20	-0.46	-0.66
U4SCZA		61.51	0.56	0.58	54.66	0.00	0.00
U5C7GL		60.60	-0.35	-0.36	54.32	-0.34	-0.49
VHDYF7		60.24	-0.71	-0.73	54.19	-0.47	-0.67
VQ67L2		61.65	0.70	0.72	55.11	0.45	0.64
VX2RJ2		59.89	-1.06	-1.10	54.14	-0.52	-0.74
WPP48H		60.48	-0.47	-0.48	54.07	-0.60	-0.85
YANCWU	*	61.85	0.90	0.92	56.14	1.48	2.11
YSF1QM		61.80	0.85	0.88	54.96	0.30	0.42
Z4J79U		61.55	0.60	0.62	55.43	0.77	1.09
ZCFFWS		60.99	0.04	0.05	54.92	0.26	0.37
ZY94Y3		61.55	0.60	0.62	55.22	0.56	0.79

Summary Statistics

	Sample C49	Sample C50
Grand Means	60.950 MPa	54.664 MPa
Stnd Dev Btwn Labs	0.970 MPa	0.700 MPa

Statistics based on 54 of 56 reporting participants

Sample C49: ABS/PC **&** **Sample C50:** ABS/PC

Comments on assigned Data Flags for Test #730

4ZSE4C (X) - Inconsistent in testing between samples.

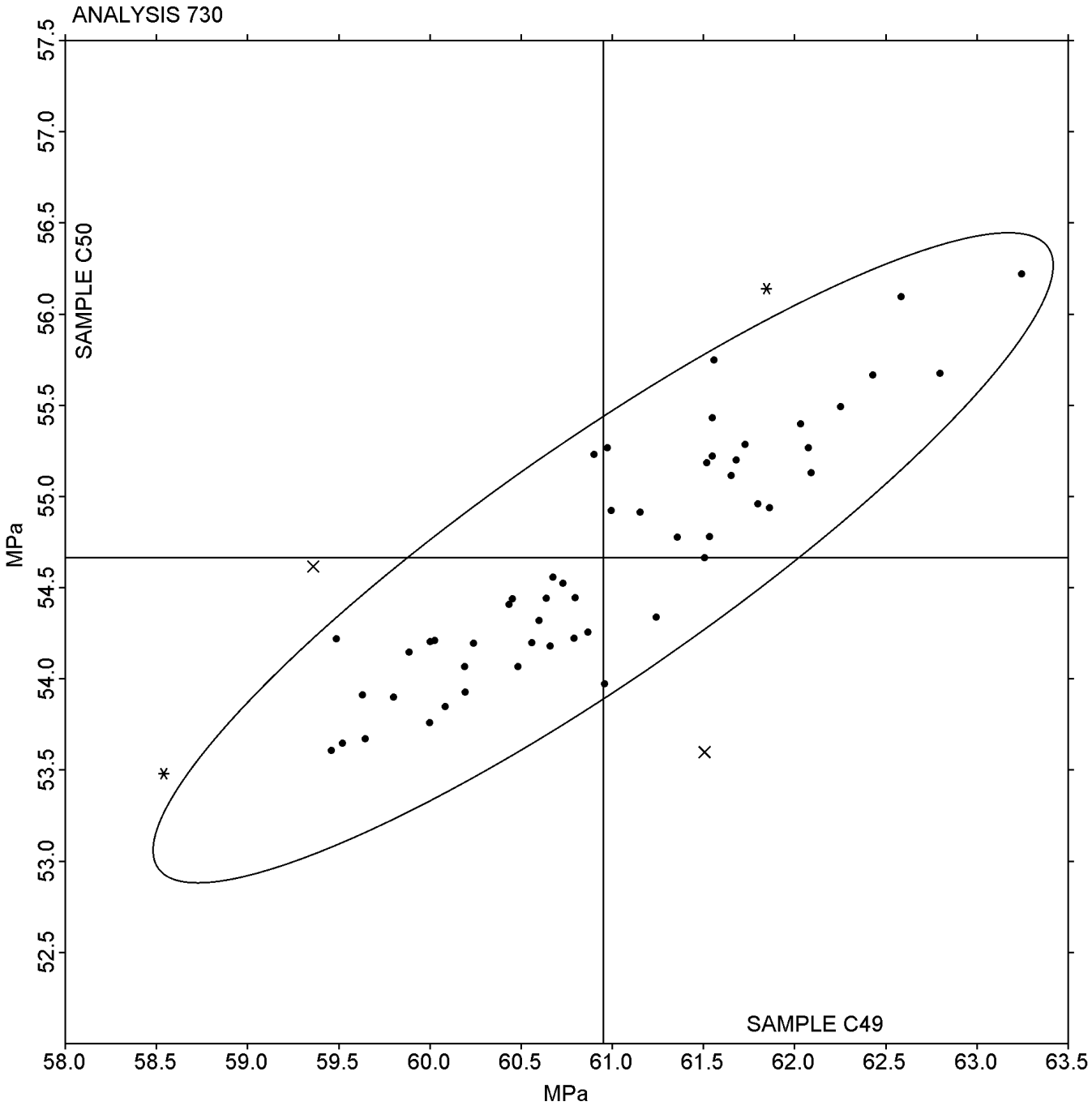
PXGSCP (X) - Inconsistent in testing between samples.

Plastics Interlaboratory Testing Program

Analysis 730

Tensile Stress at Yield - MPa

Grand Mean Sample C49: 60.950 MPa **Grand Mean Sample C50:** 54.664 MPa



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 731

Tensile Stress at Break - MPa

WebCode	Data Flag	Sample C49 Lab Mean	Sample C49 Diff from Grand Mean	Sample C49 CPV	Sample C50 Lab Mean	Sample C50 Diff from Grand Mean	Sample C50 CPV
2F7FZC		45.41	-1.44	-1.61	43.10	-0.76	-1.09
2SDN91		47.31	0.47	0.53	43.73	-0.14	-0.20
3LN5HU		46.36	-0.49	-0.54	43.71	-0.15	-0.22
562X9C	X	37.16	-9.68	-10.83	41.74	-2.13	-3.05
57QGWM		46.31	-0.54	-0.60	43.48	-0.39	-0.56
5GTQG9		46.62	-0.23	-0.25	43.91	0.04	0.06
5RVKME		47.38	0.53	0.60	44.52	0.66	0.95
61X68P		46.17	-0.68	-0.76	43.72	-0.14	-0.20
72FDEB		47.15	0.31	0.34	43.79	-0.07	-0.11
8GFXZC		46.99	0.15	0.17	45.30	1.44	2.06
9HQQL8		46.40	-0.44	-0.50	44.38	0.52	0.74
A43SX6	X	46.06	-0.79	-0.88	53.48	9.61	13.79
B6KWWT		48.21	1.36	1.53	44.54	0.67	0.96
E78XNN		46.05	-0.79	-0.89	44.61	0.75	1.07
FASHKQ	X	46.50	-0.34	-0.38	54.20	10.34	14.83
GH4FND		46.99	0.15	0.17	44.44	0.58	0.83
GK5SYM		47.35	0.50	0.56	44.02	0.16	0.22
GUUWA5		48.70	1.86	2.08	44.41	0.55	0.79
GYHDQV		47.18	0.34	0.38	43.22	-0.65	-0.93
GYPX48		45.86	-0.98	-1.10	43.29	-0.57	-0.82
HNK8TA		46.37	-0.48	-0.53	44.64	0.77	1.11
JN9GWW		46.76	-0.08	-0.09	43.92	0.06	0.08
JTPDXA		46.26	-0.59	-0.65	43.81	-0.06	-0.08
JUCGBM		47.14	0.30	0.33	44.02	0.16	0.23
KY5HT7		45.94	-0.90	-1.01	42.46	-1.40	-2.01
LV52A4		47.67	0.83	0.93	44.68	0.81	1.16
M6Y9D6		46.69	-0.15	-0.17	44.71	0.85	1.21
N3RTJ1		45.82	-1.03	-1.15	43.36	-0.51	-0.73
NDU387		45.88	-0.96	-1.08	42.53	-1.33	-1.91
NHNF37		48.02	1.17	1.31	43.83	-0.03	-0.05
NXVPL9		46.54	-0.30	-0.33	42.85	-1.02	-1.46
P3VLCP		46.56	-0.29	-0.32	43.94	0.08	0.11

Plastics Interlaboratory Testing Program

Analysis 731

Tensile Stress at Break - MPa

WebCode	Data Flag	Sample C49 Lab Mean	Sample C49 Diff from Grand Mean	Sample C49 CPV	Sample C50 Lab Mean	Sample C50 Diff from Grand Mean	Sample C50 CPV
PGLUKC		47.83	0.99	1.11	43.66	-0.21	-0.30
QWWUSL	*	49.38	2.54	2.84	44.23	0.36	0.52
RFNJ4Q		45.27	-1.57	-1.76	42.28	-1.59	-2.28
RHRF7V		45.12	-1.72	-1.92	44.14	0.28	0.40
RPTK3K		47.22	0.38	0.43	44.43	0.57	0.82
SQK1TM		47.25	0.41	0.46	44.21	0.35	0.50
T6ST9M		47.25	0.40	0.45	43.69	-0.17	-0.25
T9KLVJ		45.47	-1.37	-1.53	42.94	-0.93	-1.33
UD9G1T		47.46	0.62	0.69	44.46	0.60	0.85
VD8ZDB		48.36	1.52	1.70	45.58	1.72	2.46
VQD8VA		46.28	-0.57	-0.63	43.85	-0.01	-0.02
WBLGJ2		46.38	-0.47	-0.52	43.69	-0.17	-0.25
XVNCAS		47.19	0.35	0.39	43.35	-0.51	-0.74
YMEEEW		47.10	0.26	0.29	43.94	0.08	0.11
YVVM5N		47.41	0.57	0.64	42.85	-1.01	-1.45
YY6T2B		46.66	-0.18	-0.21	43.58	-0.28	-0.41
Z3K7SG		47.06	0.22	0.24	43.97	0.10	0.15

Summary Statistics

Grand Means

46.844 MPa | 43.865 MPa

Stnd Dev Btwn Labs

0.894 MPa | 0.697 MPa

Statistics based on 46 of 49 reporting participants

Sample C49: ABS/PC **& Sample C50:** ABS/PC

Comments on assigned Data Flags for Test #731

562X9C (X) - Low and variable data for all samples.

A43SX6 (X) - High data for Sample C50. Variable data for Sample C49.

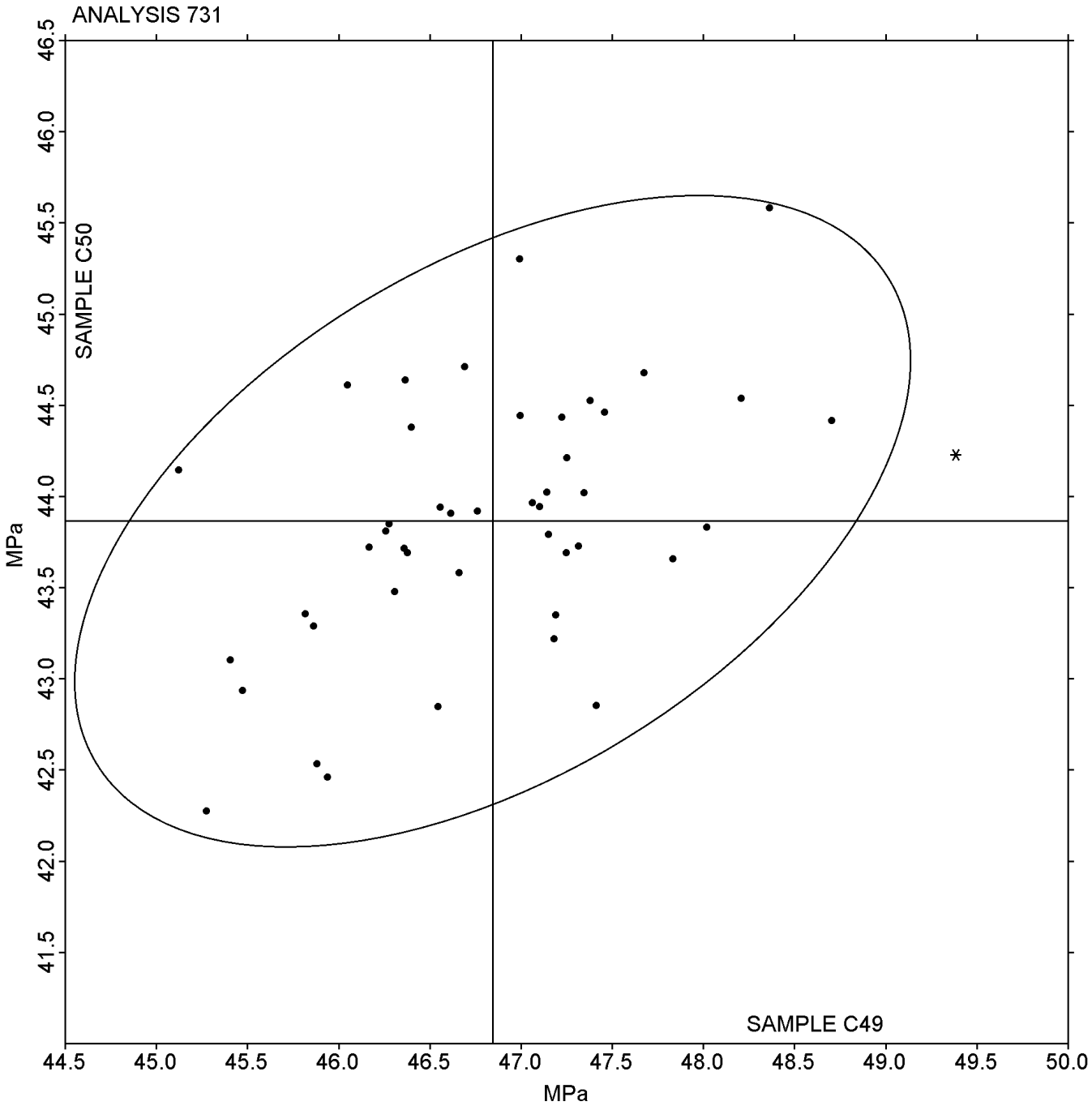
FASHKQ (X) - High data for Sample C50.

Plastics Interlaboratory Testing Program

Analysis 731

Tensile Stress at Break - MPa

Grand Mean Sample C49: 46.844 MPa **Grand Mean Sample C50:** 43.865 MPa



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 732

Percent Strain at Yield

WebCode	Data Flag	Sample C49 Lab Mean	Sample C49 Diff from Grand Mean	Sample C49 CPV	Sample C50 Lab Mean	Sample C50 Diff from Grand Mean	Sample C50 CPV
1NZ6AG		3.638	-0.091	-0.73	3.962	-0.104	-0.69
1R2Q6U		3.852	0.123	0.99	4.170	0.104	0.69
2LTYYK		3.872	0.143	1.15	4.220	0.154	1.02
2QQLFX		3.860	0.131	1.05	4.186	0.120	0.79
37U9KZ	*	4.077	0.348	2.79	4.455	0.389	2.57
3FM4LU		3.778	0.049	0.39	4.060	-0.006	-0.04
4V8ZFG		3.552	-0.177	-1.42	4.140	0.074	0.49
5M3HJE		3.544	-0.185	-1.48	3.870	-0.196	-1.30
721VUD		3.566	-0.163	-1.31	4.030	-0.036	-0.24
725A7E		3.724	-0.005	-0.04	4.096	0.030	0.20
89MUY7		3.740	0.011	0.09	4.040	-0.026	-0.17
8EY4JX		3.826	0.097	0.78	4.216	0.150	0.99
98Q4N8		3.846	0.117	0.94	4.156	0.090	0.60
DP79AZ		3.748	0.019	0.15	4.082	0.016	0.11
DSY9YM		3.792	0.063	0.51	4.054	-0.012	-0.08
FSCEC5		3.658	-0.071	-0.57	3.988	-0.078	-0.52
GWTESN		3.732	0.003	0.02	4.058	-0.008	-0.05
JF5APX		3.508	-0.221	-1.77	3.810	-0.256	-1.69
KDDD6E		3.660	-0.069	-0.55	3.846	-0.220	-1.46
LSZVWA		3.848	0.119	0.96	4.198	0.132	0.87
LTWYD7		3.748	0.019	0.15	4.168	0.102	0.67
MX1N8A	X	3.294	-0.435	-3.49	3.492	-0.574	-3.80
MZA9YJ		3.720	-0.009	-0.07	4.256	0.190	1.26
NM7FCN		3.706	-0.023	-0.18	4.020	-0.046	-0.30
P76LFY	*	3.380	-0.349	-2.80	3.660	-0.406	-2.69
PLDXA2	X	8.100	4.371	35.08	8.634	4.568	30.23
PTG681		3.780	0.051	0.41	4.140	0.074	0.49
QQ39FN		3.796	0.067	0.54	3.950	-0.116	-0.77
RGJLXR	*	3.870	0.141	1.13	3.858	-0.208	-1.38
RJ1HZL		3.556	-0.173	-1.39	3.970	-0.096	-0.64
SX4LDP		3.562	-0.167	-1.34	4.054	-0.012	-0.08
TB4APL		3.734	0.005	0.04	3.862	-0.204	-1.35

Plastics Interlaboratory Testing Program
Analysis 732
Percent Strain at Yield

WebCode	Data Flag	Sample C49 Lab Mean	Sample C49 Diff from Grand Mean	Sample C49 CPV	Sample C50 Lab Mean	Sample C50 Diff from Grand Mean	Sample C50 CPV
TMM71F		3.802	0.073	0.59	4.236	0.170	1.12
TRAEW7		3.838	0.109	0.87	4.150	0.084	0.56
U7F2VJ		3.828	0.099	0.79	4.022	-0.044	-0.29
U9783M		3.780	0.051	0.41	4.048	-0.018	-0.12
UQD2VS		3.674	-0.055	-0.44	3.814	-0.252	-1.67
UWWA48		3.654	-0.075	-0.60	4.210	0.144	0.95
WECDFN		3.746	0.017	0.14	4.056	-0.010	-0.07
WQ63NC		3.822	0.093	0.75	4.262	0.196	1.30
XD6Q34		3.762	0.033	0.27	4.092	0.026	0.17
XLUAFZ	*	3.595	-0.134	-1.08	4.267	0.201	1.33
XN62XS		3.718	-0.011	-0.09	4.014	-0.052	-0.34
XVBLL6		3.704	-0.025	-0.20	4.030	-0.036	-0.24
YMYBV5		3.750	0.021	0.17	4.064	-0.002	-0.01

Summary Statistics

Grand Means

3.7290 Percent — 4.0660 Percent

Stnd Dev Btwn Labs

0.1246 Percent — 0.1511 Percent

Statistics based on 43 of 45 reporting participants

Sample C49: ABS/PC **& Sample C50:** ABS/PC

Comments on assigned Data Flags for Test #732

MX1N8A (X) - Low data for all samples.

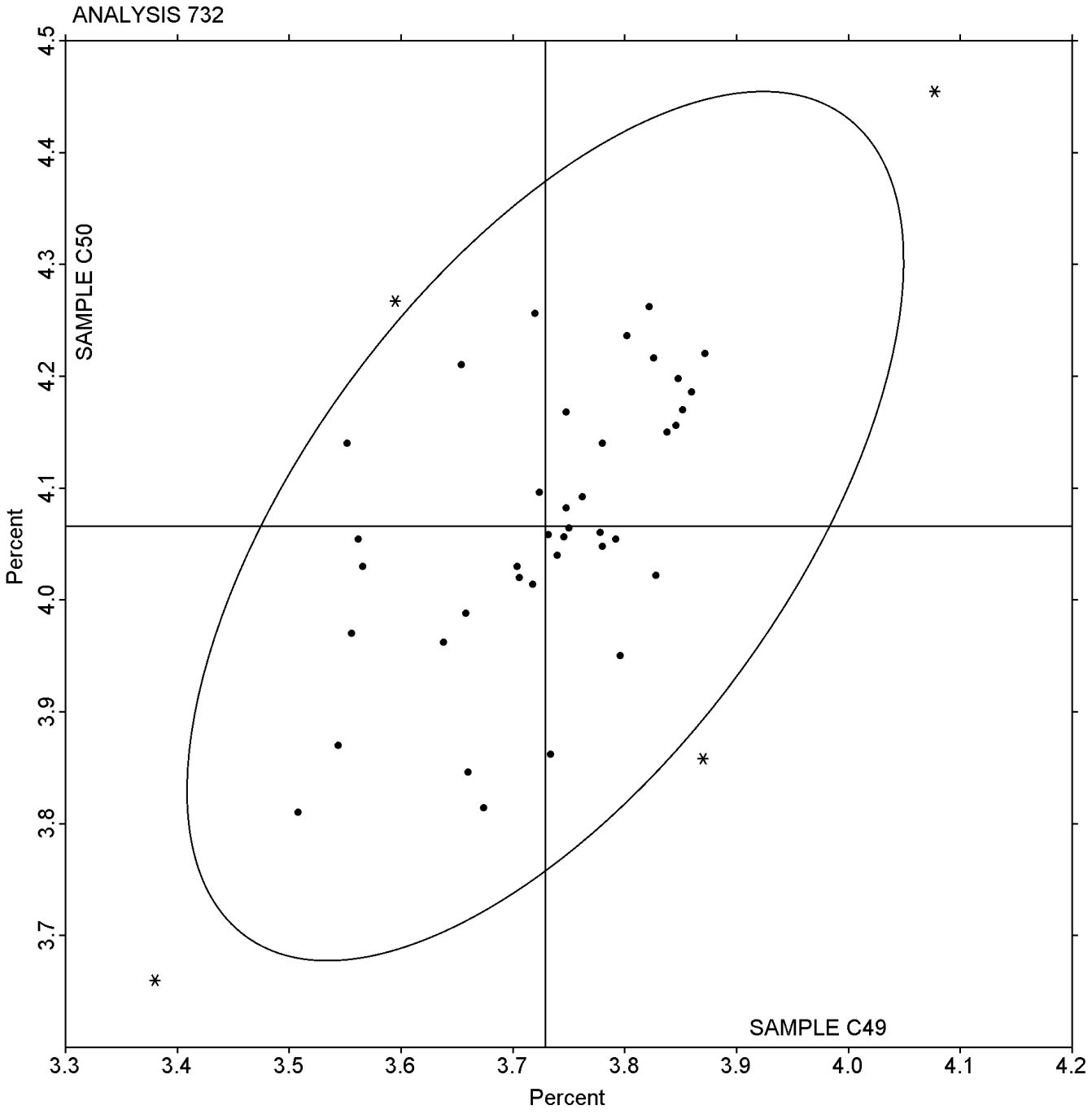
PLDXA2 (X) - High data for all samples.

Plastics Interlaboratory Testing Program

Analysis 732

Percent Strain at Yield

Grand Mean Sample C49: 3.7290 Percent **Grand Mean Sample C50:** 4.0660 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 734

Modulus of Elasticity - MPa

WebCode	Data Flag	Sample C49 Lab Mean	Sample C49 Diff from Grand Mean	Sample C49 CPV	Sample C50 Lab Mean	Sample C50 Diff from Grand Mean	Sample C50 CPV
13A9QR		2,656	-119	-1.31	2,296	-76	-1.04
2D2GQE		2,750	-25	-0.27	2,350	-23	-0.31
3KBBTA		2,607	-168	-1.86	2,256	-117	-1.58
3M47FJ		2,649	-126	-1.39	2,346	-27	-0.37
3R8Q7U		2,764	-11	-0.12	2,330	-43	-0.58
3VGUE1		2,751	-24	-0.27	2,358	-15	-0.20
458WM9		2,749	-26	-0.29	2,344	-29	-0.39
4R2VVE		2,768	-7	-0.08	2,381	8	0.11
4TMR5L		2,742	-33	-0.37	2,356	-17	-0.23
4U645C		2,766	-9	-0.09	2,284	-89	-1.21
59N1DF		2,892	117	1.29	2,476	104	1.41
6PKN8E	X	3,395	620	6.85	2,701	328	4.45
71SRC9		2,850	75	0.83	2,389	16	0.22
73YU1E		2,737	-38	-0.42	2,364	-9	-0.12
7QCBEW		2,696	-79	-0.87	2,269	-104	-1.41
9RK9WC		2,904	129	1.42	2,496	123	1.67
DA1FF5	X	2,769	-6	-0.06	2,633	260	3.53
DBQPC4		2,765	-10	-0.11	2,451	78	1.06
DJJK2S	*	2,613	-162	-1.79	2,383	10	0.14
FZDCRN	*	2,932	157	1.74	2,351	-21	-0.29
G4J5TW		2,909	134	1.48	2,509	137	1.85
HLPMYM		2,740	-35	-0.39	2,415	42	0.57
JRZEUV		2,704	-71	-0.78	2,404	31	0.42
JVSYAJ		2,911	136	1.50	2,501	128	1.74
L16C8U		2,705	-70	-0.78	2,324	-49	-0.66
NYJ9ZE		2,832	57	0.63	2,360	-13	-0.17
P4UK16		2,875	100	1.11	2,430	57	0.78
Q3XYRN		2,828	53	0.59	2,391	18	0.25
RCEXTV		2,823	48	0.54	2,384	11	0.15
SZR8JX		2,658	-117	-1.29	2,305	-68	-0.92
T6PS8H	X	2,550	-225	-2.49	1,814	-559	-7.58
UMXGAB		2,692	-83	-0.91	2,205	-168	-2.27

Plastics Interlaboratory Testing Program

Analysis 734

Modulus of Elasticity - MPa

WebCode	Data Flag	Sample C49 Lab Mean	Sample C49 Diff from Grand Mean	Sample C49 CPV	Sample C50 Lab Mean	Sample C50 Diff from Grand Mean	Sample C50 CPV
V73QAH		2,859	84	0.92	2,399	27	0.36
VN4T4U		2,782	8	0.08	2,389	17	0.22
W5PNFZ		2,886	111	1.22	2,480	108	1.46
WACZ8Y		2,768	-7	-0.08	2,356	-17	-0.23
XF28CZ		2,870	95	1.05	2,454	81	1.10
XR6Q91		2,687	-88	-0.97	2,260	-113	-1.54

Summary Statistics

	Sample C49	Sample C50
Grand Means	2,774.9 MPa	2,372.7 MPa
Stnd Dev Btwn Labs	90.6 MPa	73.7 MPa

Statistics based on 35 of 38 reporting participants

Sample C49: ABS/PC **& Sample C50:** ABS/PC

Comments on assigned Data Flags for Test #734

6PKN8E (X) - High data for all samples.

DA1FF5 (X) - Inconsistent in testing between samples and inconsistent in testing within Sample C49. High data for Sample C50.

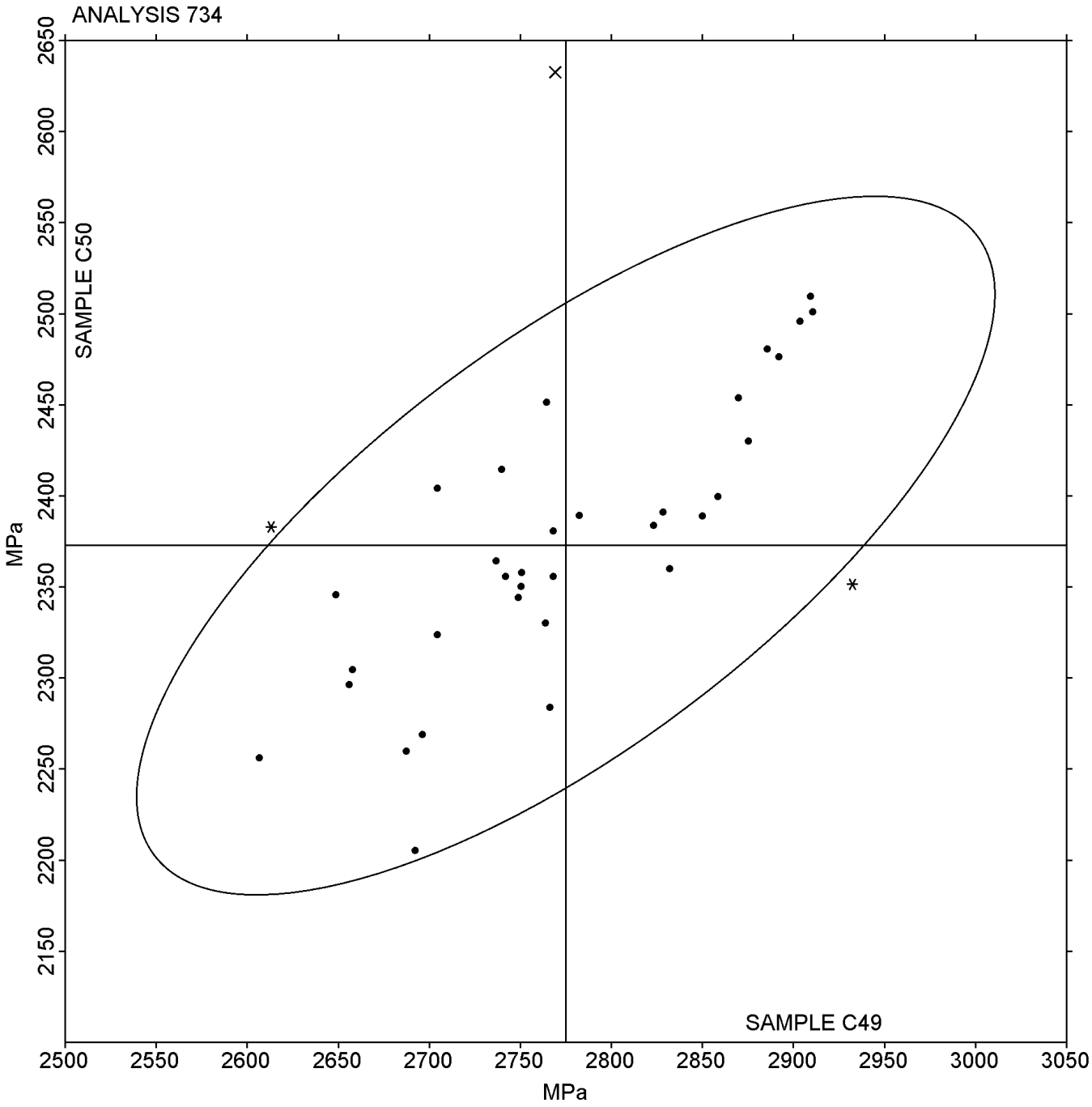
T6PS8H (X) - Inconsistent in testing between samples, data for Sample C50 are low.

Plastics Interlaboratory Testing Program

Analysis 734

Modulus of Elasticity - MPa

Grand Mean Sample C49: 2,774.92 MPa **Grand Mean Sample C50:** 2,372.73 MPa



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 720

Flexural Modulus- ksi

WebCode	Data Flag	Sample J49 Lab Mean	Sample J49 Diff from Grand Mean	Sample J49 CPV	Sample J50 Lab Mean	Sample J50 Diff from Grand Mean	Sample J50 CPV
11X8E3		418.2	0.1	0.00	343.4	-13.3	-0.72
16H4H4		398.9	-19.2	-1.01	345.5	-11.2	-0.60
1P1U3V		417.8	-0.3	-0.02	364.0	7.3	0.39
22YGFJ		414.9	-3.2	-0.17	355.9	-0.8	-0.05
2YK7LJ		421.0	2.9	0.15	351.0	-5.7	-0.31
361NXJ		416.3	-1.8	-0.09	357.8	1.1	0.06
42VMXP		434.1	16.0	0.84	377.3	20.6	1.11
4S6P9P		465.0	46.9	2.47	401.7	45.0	2.43
53ECG6	M	No data reported for this sample			332.6	-24.1	-1.30
5NB7M5		405.0	-13.1	-0.69	336.9	-19.9	-1.07
5Q7M9L		460.8	42.7	2.24	390.9	34.1	1.84
5UN19G		431.5	13.3	0.70	364.5	7.7	0.42
5UZ5RU		382.8	-35.4	-1.86	328.6	-28.1	-1.51
66R4XB		417.0	-1.1	-0.06	347.0	-9.7	-0.52
6PPWR1		423.1	5.0	0.26	362.0	5.3	0.28
6RH72L		401.0	-17.2	-0.90	337.9	-18.9	-1.02
6X1KUR		413.5	-4.6	-0.24	362.5	5.7	0.31
6YVBRH		399.4	-18.7	-0.98	353.1	-3.6	-0.20
771KSH		399.0	-19.2	-1.01	340.1	-16.6	-0.89
8KSDZK		425.5	7.4	0.39	357.5	0.8	0.04
A5EH9V	*	366.1	-52.0	-2.74	305.3	-51.5	-2.78
AW3BAQ		383.6	-34.5	-1.82	328.6	-28.1	-1.52
AYP9EP	X	398.0	-20.1	-1.06	566.3	209.6	11.30
BS679E		421.5	3.4	0.18	362.6	5.9	0.32
BWH6GK		436.0	17.9	0.94	367.4	10.7	0.57
CFJHKE		425.9	7.8	0.41	362.0	5.3	0.28
CSXKZL		400.5	-17.7	-0.93	345.7	-11.0	-0.59
EF9EVR		417.4	-0.7	-0.04	360.0	3.3	0.18
EWN6WU		434.5	16.4	0.86	359.3	2.6	0.14
FB36E1		424.1	5.9	0.31	361.0	4.2	0.23
FJDWTU	X	460.2	42.1	2.21	364.2	7.5	0.40
G2CU1H	X	352.3	-65.9	-3.46	286.7	-70.0	-3.78

Plastics Interlaboratory Testing Program

Analysis 720

Flexural Modulus- ksi

WebCode	Data Flag	Sample J49 Lab Mean	Sample J49 Diff from Grand Mean	Sample J49 CPV	Sample J50 Lab Mean	Sample J50 Diff from Grand Mean	Sample J50 CPV
GTTY6Y		424.6	6.5	0.34	362.2	5.5	0.30
H4FW9A		411.6	-6.5	-0.34	353.8	-2.9	-0.16
HJ7WWZ		418.8	0.7	0.04	360.7	4.0	0.22
HYJVUE		416.0	-2.1	-0.11	361.7	5.0	0.27
J11ZT2	X	356.2	-61.9	-3.26	335.1	-21.6	-1.16
JGSGPL	X	636.0	217.9	11.46	540.4	183.7	9.91
JSPJZJ		408.8	-9.3	-0.49	358.6	1.9	0.10
JWRTJL		434.3	16.2	0.85	360.9	4.1	0.22
KBWEDD		394.1	-24.0	-1.26	321.3	-35.4	-1.91
KH5QP8		426.6	8.5	0.45	367.0	10.3	0.55
KKE9SC		436.4	18.3	0.96	365.6	8.9	0.48
KVYL8Z		407.3	-10.8	-0.57	344.0	-12.7	-0.69
LH3AZE		435.5	17.4	0.91	377.3	20.6	1.11
LQ4Z1X		389.3	-28.8	-1.51	320.6	-36.1	-1.95
M3A98M		437.5	19.4	1.02	377.7	21.0	1.13
M3DEKV		426.5	8.4	0.44	364.8	8.1	0.43
M8FPHQ		428.9	10.8	0.57	369.1	12.4	0.67
MNWEQA		441.1	23.0	1.21	368.9	12.2	0.66
MQNM2H		432.5	14.4	0.76	381.5	24.8	1.34
MW1DVH		464.1	46.0	2.42	401.0	44.3	2.39
N1Y4X3		408.8	-9.3	-0.49	339.2	-17.5	-0.95
N5A2AG		388.1	-30.0	-1.58	334.2	-22.5	-1.21
N82TV5		420.0	1.8	0.10	358.9	2.2	0.12
NHHB36		457.5	39.3	2.07	388.2	31.5	1.70
NJJN4L		429.8	11.7	0.61	369.1	12.4	0.67
NQT6PB		403.0	-15.1	-0.80	332.5	-24.2	-1.31
NVZ9PW		391.2	-26.9	-1.42	345.0	-11.7	-0.63
PXU8WM		420.9	2.8	0.14	357.8	1.1	0.06
QB55CZ		422.0	3.9	0.21	368.3	11.6	0.63
R611MG		416.9	-1.2	-0.06	347.9	-8.8	-0.47
S4CA9S		432.5	14.4	0.76	378.4	21.6	1.17
T681EX	X	420.0	1.9	0.10	332.6	-24.1	-1.30

Plastics Interlaboratory Testing Program

Analysis 720

Flexural Modulus- ksi

WebCode	Data Flag	Sample J49 Lab Mean	Sample J49 Diff from Grand Mean	Sample J49 CPV	Sample J50 Lab Mean	Sample J50 Diff from Grand Mean	Sample J50 CPV
TPJC5G		414.9	-3.2	-0.17	362.6	5.9	0.32
TRNL1G	X	432.7	14.5	0.76	342.7	-14.0	-0.76
U4YBK4		424.2	6.1	0.32	354.9	-1.8	-0.10
U7KLXG		399.4	-18.7	-0.98	343.3	-13.4	-0.72
USCFYD		419.9	1.8	0.09	353.0	-3.7	-0.20
VBQZ2S		431.7	13.6	0.71	380.8	24.1	1.30
VJ9UZD		413.4	-4.7	-0.25	358.3	1.6	0.09
WB6ZPP		423.4	5.3	0.28	363.7	7.0	0.38
WLYWPA		420.1	2.0	0.10	356.8	0.1	0.00
X26YRS	X	237.1	-181.1	-9.52	201.8	-154.9	-8.35
X2SQ8G		406.8	-11.3	-0.59	350.0	-6.7	-0.36
XMUQ6E	*	374.3	-43.8	-2.30	304.6	-52.1	-2.81
YGMJCB		416.5	-1.6	-0.09	352.4	-4.4	-0.24
YSYJTF		423.9	5.7	0.30	365.9	9.2	0.50
YYZNGY		421.4	3.2	0.17	358.7	2.0	0.11

Summary Statistics

	Sample J49	Sample J50
Grand Means	418.13 ksi	356.72 ksi
Stnd Dev Btwn Labs	19.02 ksi	18.54 ksi

Statistics based on 70 of 79 reporting participants

Sample J49: ABS/PC **& Sample J50:** ABS/PC

Comments on assigned Data Flags for Test #720

53ECG6 (M) - Laboratory did not submit data for Sample J49.

AYP9EP (X) - Inconsistent in testing between samples, data for Sample J50 are high.

FJDWTU (X) - Inconsistent in testing between samples and inconsistent in testing within Sample J50.

G2CU1H (X) - Low data for all samples. Possible systematic error.

J11ZT2 (X) - Inconsistent in testing between samples, data for Sample J49 are low.

JGSGPL (X) - High data for all samples.

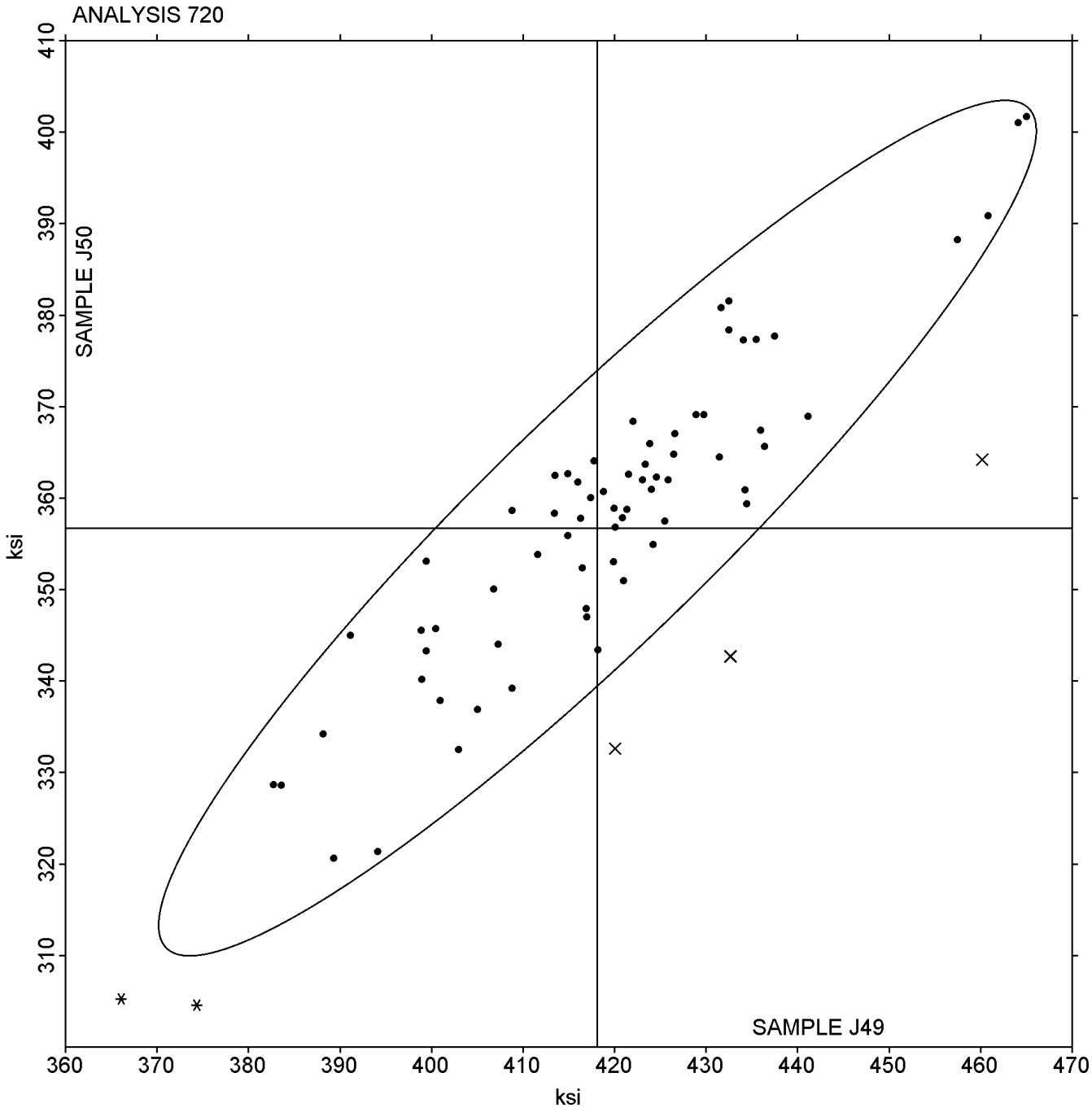
T681EX (X) - Inconsistent in testing between samples.

TRNL1G (X) - Inconsistent in testing between samples.

X26YRS (X) - Low data for all samples.

Plastics Interlaboratory Testing Program
Analysis 720
Flexural Modulus- ksi

Grand Mean Sample J49: 418.13 ksi **Grand Mean Sample J50:** 356.72 ksi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 721

Flexural Stress at 5% Strain - psi

WebCode	Data Flag	Sample J49 Lab Mean	Sample J49 Diff from Grand Mean	Sample J49 CPV	Sample J50 Lab Mean	Sample J50 Diff from Grand Mean	Sample J50 CPV
1EL151		14,875	703	1.50	12,879	503	1.29
1RFYFY		14,254	82	0.18	12,854	478	1.22
1ULYRR		14,126	-46	-0.10	12,616	240	0.61
3L59Q9		14,763	591	1.26	12,761	385	0.98
3XZE2B		14,362	190	0.41	12,423	47	0.12
41NLG5		14,374	202	0.43	12,676	299	0.76
4VZFVM	X	2,370	-11,802	-25.24	2,093	-10,283	-26.27
5LN5WJ		13,708	-464	-0.99	12,155	-221	-0.57
5VYDLE		14,041	-131	-0.28	12,326	-50	-0.13
6587CU		13,552	-620	-1.33	11,768	-608	-1.55
6H29QZ		14,345	173	0.37	12,579	203	0.52
6QE7B2	*	13,709	-463	-0.99	11,603	-773	-1.97
7CAQF5		13,415	-757	-1.62	11,938	-438	-1.12
7E4K4K	*	13,571	-601	-1.29	11,521	-856	-2.19
7HQ5CA		14,198	26	0.06	12,544	168	0.43
7QKCTU		14,098	-74	-0.16	12,183	-193	-0.49
8X2LW7		13,677	-495	-1.06	12,213	-164	-0.42
BYWE3R	X	11,809	-2,363	-5.05	13,235	858	2.19
CRYJWJ		13,762	-410	-0.88	12,307	-70	-0.18
CXLFQW		14,986	814	1.74	12,880	504	1.29
DB4KBG		14,336	164	0.35	12,894	518	1.32
ECKTMX		13,770	-402	-0.86	12,019	-357	-0.91
EEU4W3		14,058	-114	-0.24	12,234	-142	-0.36
EGXJ2Y		14,547	375	0.80	12,742	366	0.93
EHUGBE		14,209	37	0.08	12,502	126	0.32
EU6FWY		14,241	69	0.15	12,441	65	0.17
EXS5HB		14,580	408	0.87	12,654	277	0.71
EXZEYT		13,904	-268	-0.57	12,146	-230	-0.59
FL3M7B		15,092	920	1.97	12,888	511	1.31
GUM25R		14,612	440	0.94	12,744	368	0.94
HPDJKE		15,043	871	1.86	13,016	640	1.63
K385YV		14,194	22	0.05	12,506	129	0.33

Plastics Interlaboratory Testing Program

Analysis 721

Flexural Stress at 5% Strain - psi

WebCode	Data Flag	Sample J49 Lab Mean	Sample J49 Diff from Grand Mean	Sample J49 CPV	Sample J50 Lab Mean	Sample J50 Diff from Grand Mean	Sample J50 CPV
KCQDEK		14,294	122	0.26	12,500	124	0.32
KG41YN		13,966	-206	-0.44	12,245	-131	-0.34
LHX2LR		14,367	195	0.42	12,423	47	0.12
M2G2UD		14,308	136	0.29	12,311	-65	-0.17
N1JLBE		14,057	-115	-0.25	12,485	109	0.28
NS9MRU		14,409	237	0.51	12,556	179	0.46
PD926C	X	14,665	493	1.06	11,972	-405	-1.03
PEFUER		13,954	-218	-0.47	12,162	-214	-0.55
PFPYT6		13,630	-542	-1.16	11,964	-412	-1.05
PMGSMC	M	No data reported for this sample			11,453	-923	-2.36
PSJKC4		15,002	830	1.78	12,942	566	1.45
PZXGTC		13,899	-273	-0.58	12,021	-355	-0.91
QZS5LC		13,840	-332	-0.71	12,337	-39	-0.10
R7JQ9H		14,231	59	0.13	12,223	-154	-0.39
RG5XWZ		13,313	-859	-1.84	11,663	-713	-1.82
RRWC56		13,856	-316	-0.68	12,087	-289	-0.74
SLPQYR		14,005	-167	-0.36	12,217	-159	-0.41
SZY211		13,437	-735	-1.57	11,628	-748	-1.91
TRU7VF		14,278	106	0.23	12,679	302	0.77
VJ8ZA1		14,507	335	0.72	12,516	140	0.36
VQTYYH		14,620	448	0.96	12,815	438	1.12
WKH83F		13,539	-633	-1.35	12,021	-355	-0.91
WLC97W	*	14,562	389	0.83	12,248	-128	-0.33
YCEJEL		13,237	-935	-2.00	11,616	-760	-1.94
YKX97X		14,985	813	1.74	13,064	688	1.76
ZEJH84		14,590	418	0.89	12,582	206	0.53

Plastics Interlaboratory Testing Program
Analysis 721
Flexural Stress at 5% Strain - psi

Summary Statistics

Grand Means		
	14,172.0 psi	12,376.2 psi
Stnd Dev Btwn Labs		
	467.5 psi	391.5 psi

Statistics based on 54 of 58 reporting participants

Sample J49: ABS/PC **& Sample J50:** ABS/PC

Comments on assigned Data Flags for Test #721

4VZFVM (X) - Low data for all samples.

BYWE3R (X) - Low data for Sample J49.

PD926C (X) - Inconsistent in testing between samples.

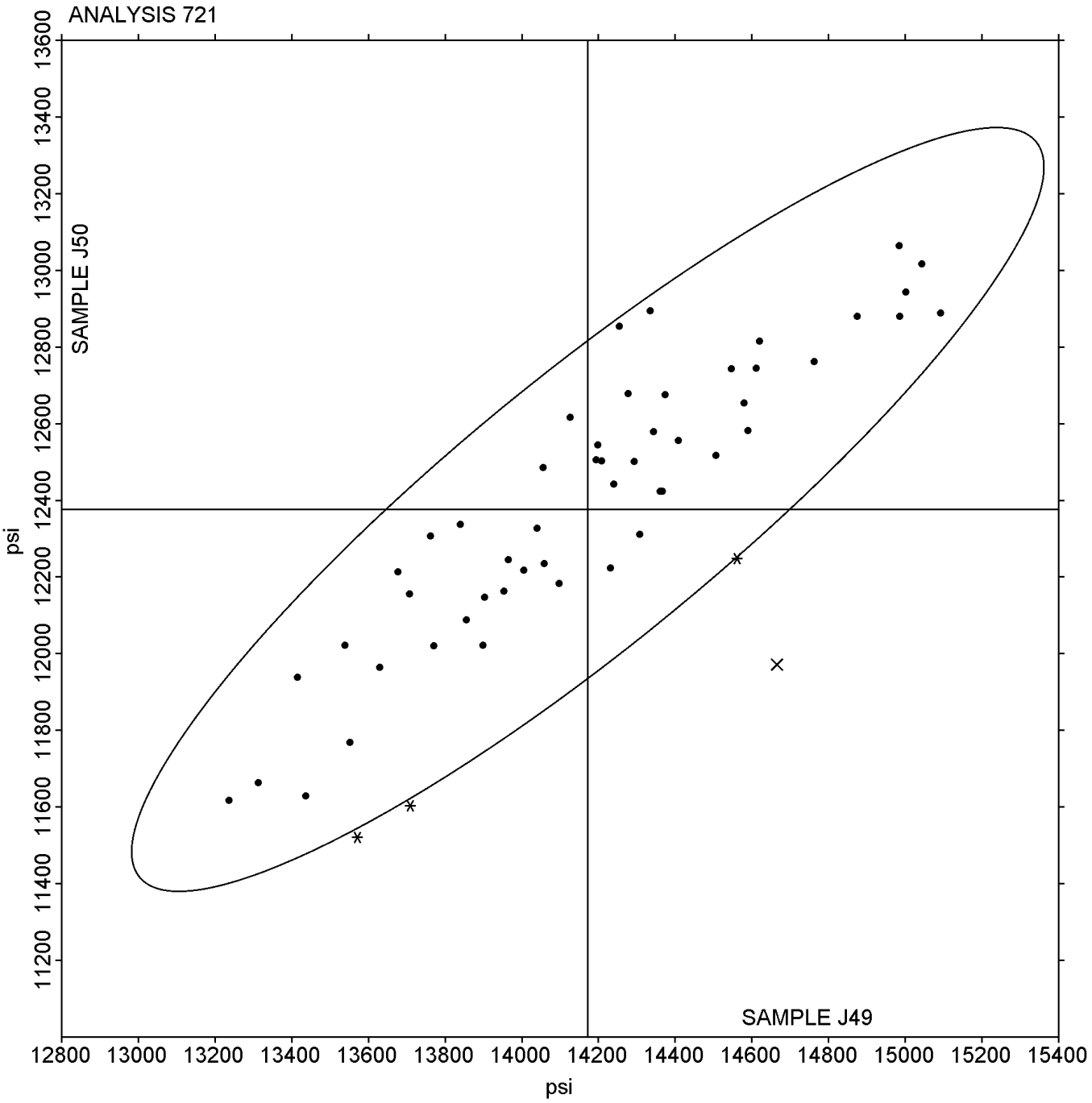
PMGSMC (M) - Laboratory did not submit data for Sample J49.

Plastics Interlaboratory Testing Program

Analysis 721

Flexural Stress at 5% Strain - psi

Grand Mean Sample J49: 14,172.03 psi **Grand Mean Sample J50:** 12,376.23 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 722

Flexural Stress at Yield - psi

WebCode	Data Flag	Sample J49 Lab Mean	Sample J49 Diff from Grand Mean	Sample J49 CPV	Sample J50 Lab Mean	Sample J50 Diff from Grand Mean	Sample J50 CPV
1HJLMR		13,294	-910	-1.60	11,883	-567	-1.18
21KLKZ	*	14,697	493	0.87	12,026	-425	-0.88
23KDEA		13,437	-767	-1.35	11,995	-455	-0.95
2XMLLB		14,425	222	0.39	12,539	89	0.19
35MXYG		14,447	244	0.43	12,567	117	0.24
4WPRHT		13,682	-522	-0.92	12,074	-376	-0.78
6BFDVT		15,130	927	1.63	12,908	458	0.95
6PEFVL		14,219	16	0.03	12,764	313	0.65
7M9W45		14,550	346	0.61	12,747	297	0.62
86TLB9		14,242	38	0.07	12,630	180	0.37
87PZ1N		14,376	172	0.30	12,973	523	1.09
8BJS34		14,397	193	0.34	12,862	412	0.86
8ETAJK		14,582	378	0.67	12,341	-109	-0.23
96NG9P		13,793	-411	-0.72	12,372	-78	-0.16
9U7519		14,630	426	0.75	12,736	286	0.59
9UH9UZ		14,296	92	0.16	12,730	279	0.58
9VM4XF		13,910	-294	-0.52	12,667	217	0.45
BQHP5Q	*	13,116	-1,087	-1.91	11,128	-1,322	-2.75
CEDCHX	X	22,748	8,545	15.03	19,625	7,175	14.91
CTSBYD		15,108	904	1.59	13,062	612	1.27
DCJSSY		14,750	546	0.96	12,959	509	1.06
DJ7TB5		14,343	139	0.24	12,294	-157	-0.33
E1HLFH		14,596	392	0.69	12,721	270	0.56
EN24Y6		14,155	-49	-0.09	12,387	-63	-0.13
EQMJ5P		13,872	-332	-0.58	12,396	-54	-0.11
ET4RAM		14,518	314	0.55	12,620	170	0.35
FGAL3B		15,173	969	1.70	13,057	607	1.26
FVU8GX		13,769	-435	-0.76	12,018	-432	-0.90
H9AQHV	*	15,722	1,519	2.67	13,924	1,473	3.06
HCVQJV		13,837	-367	-0.64	12,062	-388	-0.81
HGDKYX	X	3,378	-10,826	-19.04	2,909	-9,541	-19.83
K355UX		13,868	-336	-0.59	12,014	-436	-0.91

Plastics Interlaboratory Testing Program

Analysis 722

Flexural Stress at Yield - psi

WebCode	Data Flag	Sample J49 Lab Mean	Sample J49 Diff from Grand Mean	Sample J49 CPV	Sample J50 Lab Mean	Sample J50 Diff from Grand Mean	Sample J50 CPV
MGSP9R	*	13,369	-835	-1.47	12,441	-9	-0.02
NQPQHE	M	No data reported for this sample			11,571	-880	-1.83
P3VE4G		13,814	-389	-0.69	12,174	-277	-0.57
P9V1YA		13,262	-941	-1.66	11,763	-688	-1.43
QBAH4G		13,883	-321	-0.56	11,783	-667	-1.39
QTSY9B		13,624	-580	-1.02	11,886	-564	-1.17
RH456L		14,916	712	1.25	12,922	472	0.98
RY1AVQ		13,969	-235	-0.41	12,246	-204	-0.42
SKSEQN		13,692	-512	-0.90	12,240	-210	-0.44
SSJXUE		14,607	403	0.71	12,967	517	1.07
TDMGXF		13,798	-406	-0.71	11,906	-544	-1.13
TQA6BE		14,919	715	1.26	12,943	493	1.02
UGC7BG		14,276	73	0.13	12,337	-113	-0.23
V595TB		14,444	241	0.42	12,681	231	0.48
W9J29B		13,992	-211	-0.37	12,285	-166	-0.34
X2J9UD		14,391	187	0.33	12,746	296	0.62
X5NNAT		13,479	-724	-1.27	11,937	-514	-1.07

Summary Statistics

Grand Means

14,203.7 psi — 12,450.4 psi

Stnd Dev Btwn Labs

568.5 psi — 481.3 psi

Statistics based on 46 of 49 reporting participants

Sample J49: ABS/PC **& Sample J50:** ABS/PC

Comments on assigned Data Flags for Test #722

CEDCHX (X) - High data for all samples.

HGDKYX (X) - Low data for all samples.

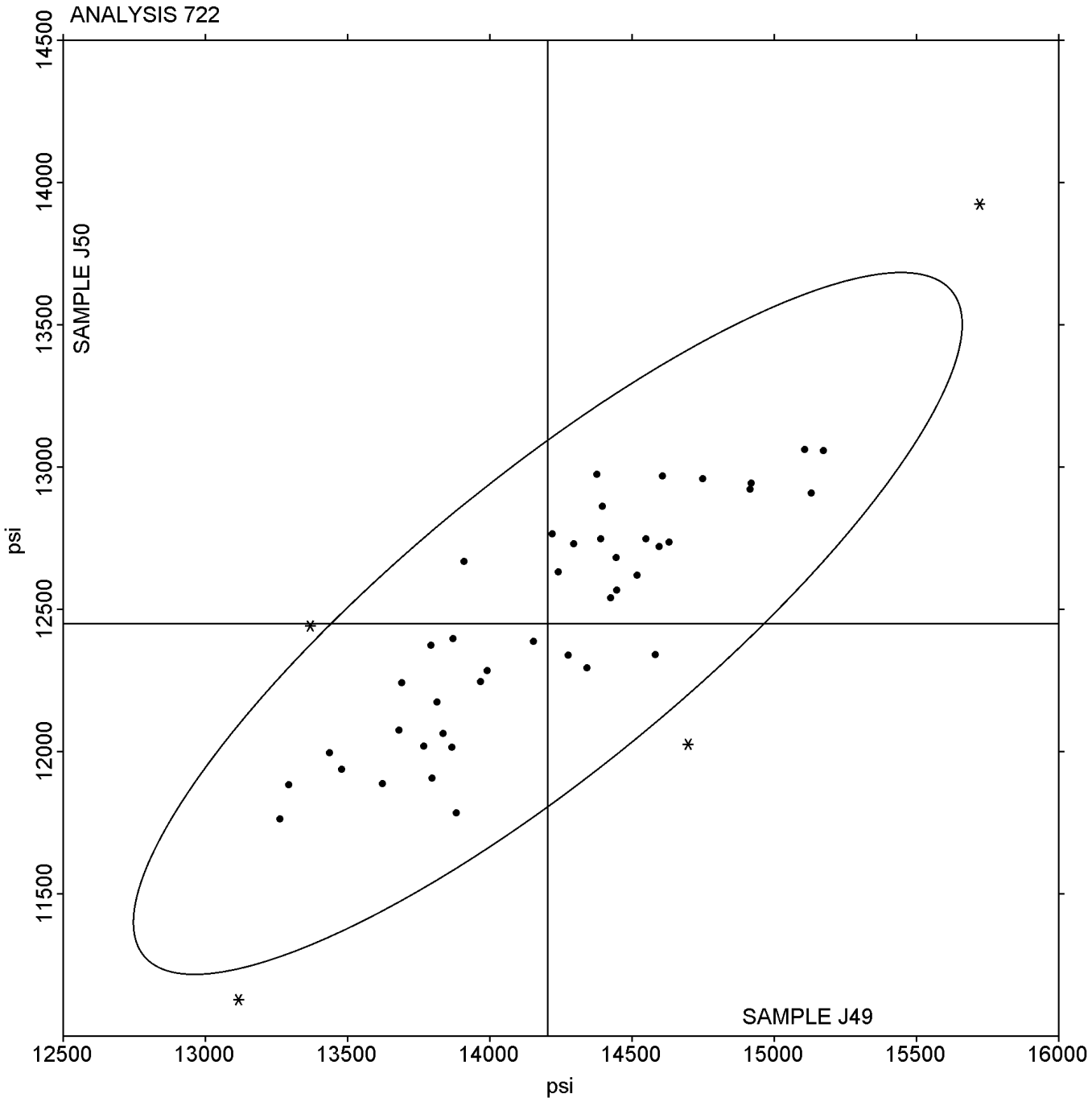
NQPQHE (M) - Laboratory did not submit data for Sample J49.

Plastics Interlaboratory Testing Program

Analysis 722

Flexural Stress at Yield - psi

Grand Mean Sample J49: 14,203.66 psi **Grand Mean Sample J50:** 12,450.35 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 736

Flexural Modulus - MPa

WebCode	Data Flag	Sample K49 Lab Mean	Sample K49 Diff from Grand Mean	Sample K49 CPV	Sample K50 Lab Mean	Sample K50 Diff from Grand Mean	Sample K50 CPV
2N5PBV		2,896	137	1.25	2,495	114	1.19
2Q6TRA		2,835	76	0.69	2,442	61	0.64
2VHTUW		2,810	51	0.46	2,432	51	0.53
34TXN3	M	No data reported for this sample			2,460	79	0.82
3WS2T8		2,784	25	0.23	2,391	10	0.11
44CUXE		2,779	20	0.18	2,422	41	0.43
4EYG3R		2,718	-41	-0.38	2,334	-47	-0.49
6HH1LH		2,592	-167	-1.52	2,283	-98	-1.03
72EF59		2,839	80	0.73	2,441	60	0.63
7RXH3H		2,736	-23	-0.21	2,364	-17	-0.18
83FYE7		2,591	-168	-1.53	2,230	-151	-1.58
8PKR9L	*	2,642	-117	-1.07	2,229	-152	-1.59
9HCX1N		2,883	124	1.13	2,449	68	0.72
9PEP8C		2,865	106	0.96	2,476	95	0.99
A4GFWB	*	2,757	-2	-0.02	2,444	63	0.66
ARN1QT		2,774	15	0.13	2,392	11	0.12
BCU3VU		2,771	12	0.11	2,373	-8	-0.09
CTRC43		2,684	-75	-0.68	2,313	-68	-0.71
EVCXN4		2,819	60	0.55	2,445	64	0.67
GRUV6G		2,688	-72	-0.65	2,313	-68	-0.71
HE3TMN		2,842	83	0.76	2,459	78	0.82
HUYVXB		2,736	-23	-0.21	2,349	-32	-0.33
JJ76J5		2,755	-4	-0.04	2,390	9	0.10
JJH4GU		2,692	-67	-0.62	2,318	-63	-0.66
KJSNEG		2,792	33	0.30	2,408	27	0.29
KMH9H1		2,822	63	0.57	2,448	67	0.70
M7VF5B		2,746	-13	-0.12	2,398	17	0.18
MSRMWN	X	2,782	23	0.21	2,126	-255	-2.66
Q8RZ4N		2,747	-12	-0.11	2,368	-13	-0.13
QALNP8		2,895	136	1.24	2,504	123	1.29
QEQK2T		2,646	-114	-1.04	2,307	-74	-0.77
RSZGNQ		2,663	-96	-0.88	2,284	-97	-1.01

Plastics Interlaboratory Testing Program

Analysis 736

Flexural Modulus - MPa

WebCode	Data Flag	Sample K49 Lab Mean	Sample K49 Diff from Grand Mean	Sample K49 CPV	Sample K50 Lab Mean	Sample K50 Diff from Grand Mean	Sample K50 CPV
SQN4QT		2,587	-172	-1.57	2,229	-152	-1.59
SZTAHW		2,751	-8	-0.08	2,334	-47	-0.49
THG5PX		2,594	-165	-1.51	2,238	-143	-1.50
TV65CA		2,756	-3	-0.03	2,366	-15	-0.15
TX7BBK		2,762	3	0.03	2,388	7	0.07
TYLQ2U		2,562	-198	-1.80	2,207	-174	-1.82
U32CJM	X	2,535	-224	-2.05	2,064	-317	-3.31
U8VXMS		2,712	-48	-0.43	2,333	-48	-0.50
UPSJFK		2,784	25	0.23	2,428	47	0.49
VLCPPH		2,823	64	0.58	2,442	61	0.64
WBK5K9		2,726	-33	-0.30	2,365	-16	-0.17
WC3D64	X	3,005	246	2.24	2,511	130	1.36
WZLEXG	*	3,016	257	2.34	2,570	189	1.98
X8FGHC		2,689	-70	-0.64	2,354	-27	-0.28
YKUW8Z		2,885	126	1.15	2,473	92	0.96
ZJSVWR	*	3,095	336	3.07	2,681	300	3.13
ZK7JJF		2,622	-138	-1.26	2,231	-150	-1.57

Summary Statistics

	Sample K49	Sample K50
Grand Means	2,759.2 MPa	2,380.9 MPa
Stnd Dev Btwn Labs	109.6 MPa	95.7 MPa

Statistics based on 45 of 49 reporting participants

Sample K49: ABS/PC **& Sample K50:** ABS/PC

Comments on assigned Data Flags for Test #736

34TXN3 (M) - Laboratory did not submit data for Sample K49.

MSRMWN (X) - Inconsistent in testing between samples. Variable data for Sample K50.

U32CJM (X) - Low data for Sample K50. Variable data for Sample K49.

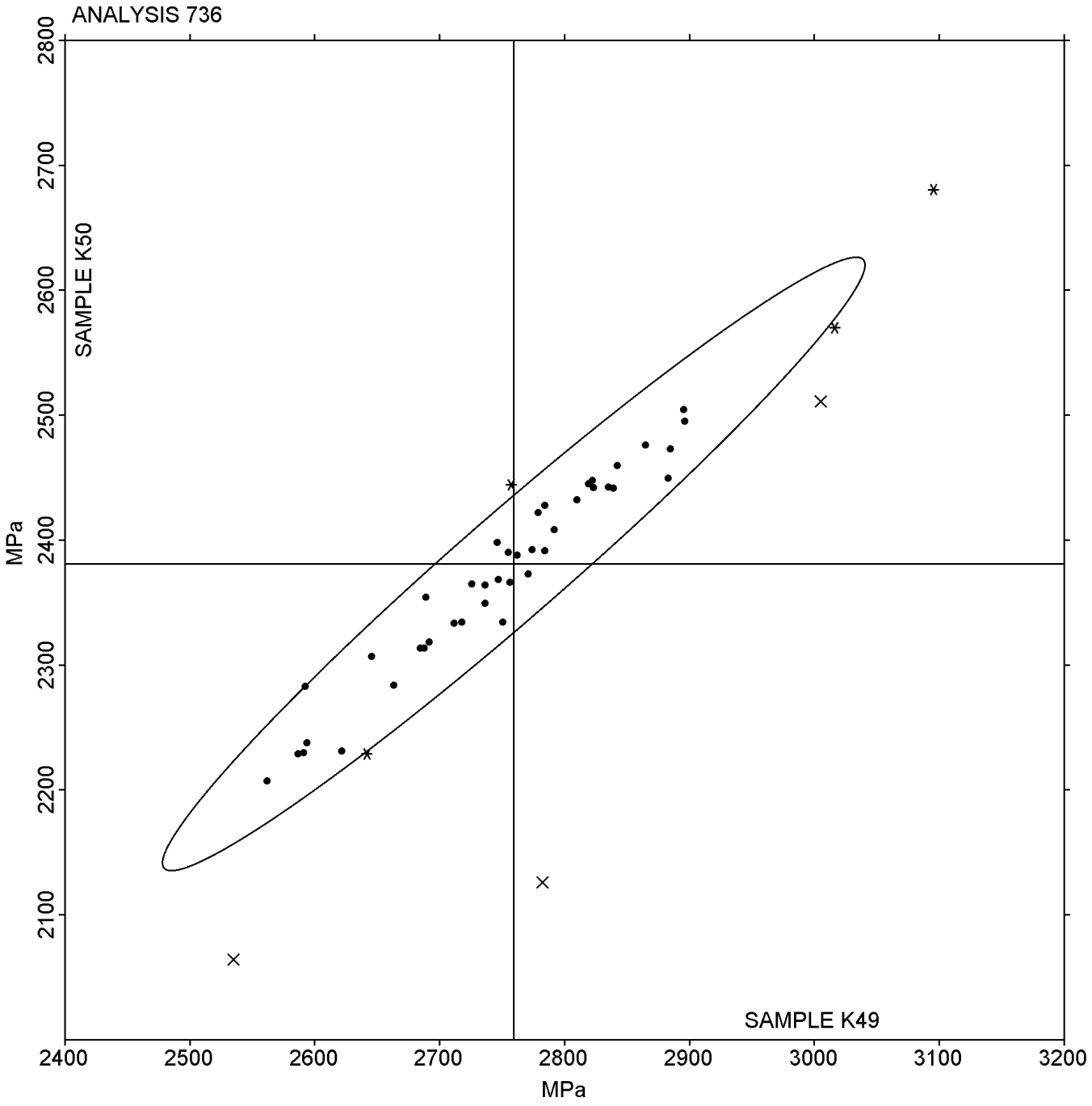
WC3D64 (X) - Inconsistent in testing between samples.

Plastics Interlaboratory Testing Program

Analysis 736

Flexural Modulus - MPa

Grand Mean Sample K49: 2,759.23 MPa **Grand Mean Sample K50:** 2,380.94 MPa



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 737

Flexural Stress at 3.5% Strain - MPa

WebCode	Data Flag	Sample K49 Lab Mean	Sample K49 Diff from Grand Mean	Sample K49 CPV	Sample K50 Lab Mean	Sample K50 Diff from Grand Mean	Sample K50 CPV
1AK2D2	X	109.04	22.79	12.43	97.58	23.45	14.52
43LQPA		86.03	-0.22	-0.12	73.69	-0.44	-0.27
45DLAJ	*	85.23	-1.02	-0.55	74.98	0.85	0.52
4F9CMF		83.68	-2.56	-1.40	71.82	-2.31	-1.43
4VTA2S		83.75	-2.49	-1.36	72.05	-2.08	-1.29
6PJPE6		86.47	0.23	0.13	74.50	0.37	0.23
6SXHZ5		88.45	2.20	1.20	75.67	1.54	0.95
6VPNNA		84.39	-1.86	-1.01	72.64	-1.49	-0.92
76RXDZ		86.20	-0.04	-0.02	74.60	0.47	0.29
8AVAAG		86.67	0.42	0.23	75.38	1.25	0.77
9M88VE		86.54	0.29	0.16	73.98	-0.14	-0.09
A9UNRC		89.33	3.09	1.69	77.08	2.95	1.83
AH6J56		87.80	1.56	0.85	74.60	0.47	0.29
AMZUQ5		85.38	-0.86	-0.47	74.25	0.12	0.07
AXJTDC		89.18	2.93	1.60	76.10	1.97	1.22
BC9XKN		90.21	3.96	2.16	77.80	3.67	2.27
D26YYT		85.33	-0.91	-0.50	72.67	-1.46	-0.90
EEH1AD		85.32	-0.92	-0.50	73.27	-0.86	-0.53
EMD1KZ		86.20	-0.04	-0.02	74.00	-0.13	-0.08
ER36V5		84.69	-1.55	-0.85	72.40	-1.73	-1.07
FUZER9		86.45	0.20	0.11	74.61	0.49	0.30
JB84B6		85.72	-0.53	-0.29	73.56	-0.57	-0.35
JL7A4E		85.35	-0.89	-0.49	73.86	-0.27	-0.16
KMJDCD		87.91	1.66	0.91	75.75	1.62	1.01
MD8AND		87.30	1.05	0.58	75.17	1.04	0.64
MHN86E		87.38	1.14	0.62	74.82	0.69	0.43
NKMMSN		87.31	1.06	0.58	74.01	-0.12	-0.07
PD7JXF		83.21	-3.03	-1.65	72.02	-2.11	-1.31
Q9G3P3		89.64	3.40	1.85	76.55	2.43	1.50
RQZPCE		86.67	0.43	0.23	74.50	0.37	0.23
RZ12BE		86.36	0.11	0.06	74.92	0.79	0.49
SMXFXR	M	84.36	-1.89	-1.03	No data reported for this sample		

Plastics Interlaboratory Testing Program

Analysis 737

Flexural Stress at 3.5% Strain - MPa

WebCode	Data Flag	Sample K49 Lab Mean	Sample K49 Diff from Grand Mean	Sample K49 CPV	Sample K50 Lab Mean	Sample K50 Diff from Grand Mean	Sample K50 CPV
SNJDJD		82.22	-4.02	-2.19	70.10	-4.03	-2.49
T1K5Z4	X	91.91	5.67	3.09	80.46	6.33	3.92
UCBFLH		84.91	-1.33	-0.73	72.71	-1.42	-0.88
WKP3NW		84.31	-1.93	-1.05	72.44	-1.69	-1.05
YB4KBM		85.98	-0.26	-0.14	72.91	-1.22	-0.76
Z1MY55		86.97	0.72	0.39	75.10	0.97	0.60

Summary Statistics

	Sample K49	Sample K50
Grand Means	86.243 MPa	74.128 MPa
Stnd Dev Btwn Labs	1.833 MPa	1.615 MPa

Statistics based on 35 of 38 reporting participants

Sample K49: ABS/PC **& Sample K50:** ABS/PC

Comments on assigned Data Flags for Test #737

1AK2D2 (X) - High data for all samples.

SMXFXR (M) - Laboratory did not submit data for Sample K50.

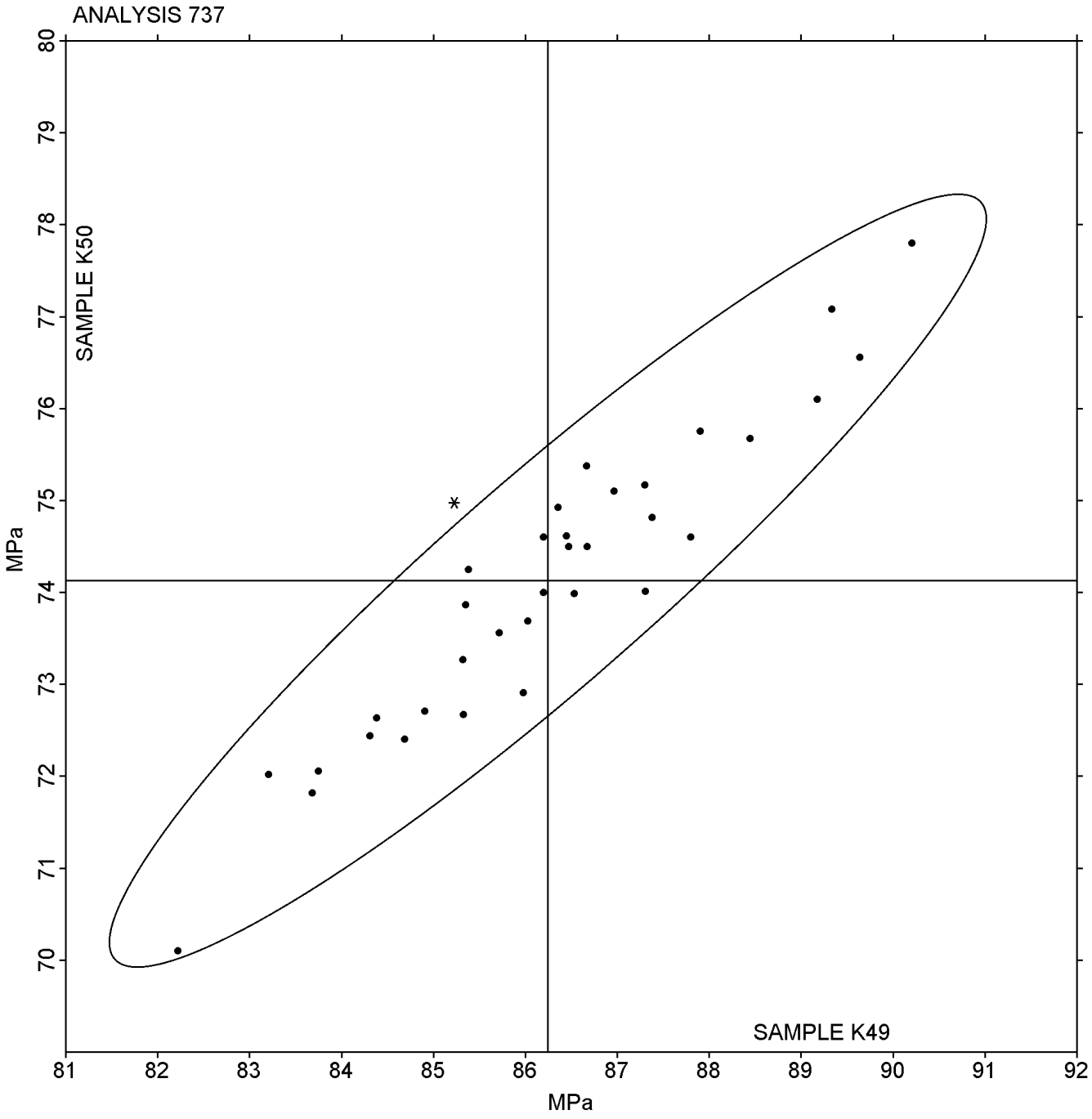
T1K5Z4 (X) - High data for all samples.

Plastics Interlaboratory Testing Program

Analysis 737

Flexural Stress at 3.5% Strain - MPa

Grand Mean Sample K49: 86.243 MPa **Grand Mean Sample K50:** 74.128 MPa



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 738

Flexural Stress at Yield - MPa

WebCode	Data Flag	Sample K49 Lab Mean	Sample K49 Diff from Grand Mean	Sample K49 CPV	Sample K50 Lab Mean	Sample K50 Diff from Grand Mean	Sample K50 CPV
27EKWZ		95.00	-0.25	-0.13	83.80	-0.88	-0.47
4Q7QK9		94.99	-0.26	-0.13	84.10	-0.58	-0.31
5M7BM1		91.82	-3.43	-1.73	82.32	-2.36	-1.26
675L1G		95.12	-0.13	-0.07	84.26	-0.42	-0.22
6CN7B6		96.82	1.57	0.79	85.17	0.48	0.26
6ZR88Z		95.00	-0.25	-0.13	84.40	-0.28	-0.15
74QG8N		92.30	-2.95	-1.49	82.78	-1.90	-1.01
8P1PW6	X	88.30	-6.95	-3.50	75.86	-8.82	-4.69
AFUJH9	M	No data reported for this sample			71.33	-13.35	-7.10
AJ3YKX		92.02	-3.23	-1.63	81.60	-3.08	-1.64
CHSSKA		93.89	-1.36	-0.69	84.27	-0.41	-0.22
CLJGJA	*	94.48	-0.77	-0.39	81.65	-3.04	-1.61
CUDBBP		98.07	2.82	1.42	87.79	3.11	1.65
EBZDV9		98.00	2.75	1.39	87.77	3.09	1.64
G8XV5K		95.97	0.72	0.36	85.30	0.62	0.33
J5KJ65		95.10	-0.15	-0.08	84.33	-0.35	-0.19
JHJ1HC		92.66	-2.59	-1.30	81.58	-3.10	-1.65
JV4KXZ	*	98.94	3.69	1.86	86.38	1.70	0.90
K7C3VK		94.92	-0.33	-0.17	84.58	-0.10	-0.05
MPD2EA	M	No data reported for this sample			81.77	-2.91	-1.55
N16F8X		93.10	-2.15	-1.08	82.92	-1.76	-0.94
NBHUVR		93.71	-1.54	-0.78	83.19	-1.49	-0.79
NEP8VJ		96.98	1.73	0.87	86.84	2.16	1.15
NLFWRV		95.12	-0.13	-0.07	85.55	0.86	0.46
NREKUF		96.93	1.68	0.85	86.89	2.21	1.17
RA746M		97.06	1.81	0.91	86.08	1.40	0.74
S1LCAT		93.22	-2.03	-1.02	83.41	-1.27	-0.68
S9UJY4		97.61	2.36	1.19	86.62	1.94	1.03
Y5DJ9K		95.67	0.42	0.21	85.70	1.01	0.54
YJYP7G		97.24	1.99	1.00	87.17	2.48	1.32

Plastics Interlaboratory Testing Program
Analysis 738
Flexural Stress at Yield - MPa

Summary Statistics

Grand Means	95.249 MPa	84.683 MPa
Stnd Dev Btwn Labs	1.985 MPa	1.882 MPa

Statistics based on 27 of 30 reporting participants

Sample K49: ABS/PC **& Sample K50:** ABS/PC

Comments on assigned Data Flags for Test #738

8P1PW6 (X) - Inconsistent in testing between samples and inconsistent in testing within both samples. Low data for all samples.

AFUJH9 (M) - Laboratory did not submit data for Sample K49. Low data for Sample K50.

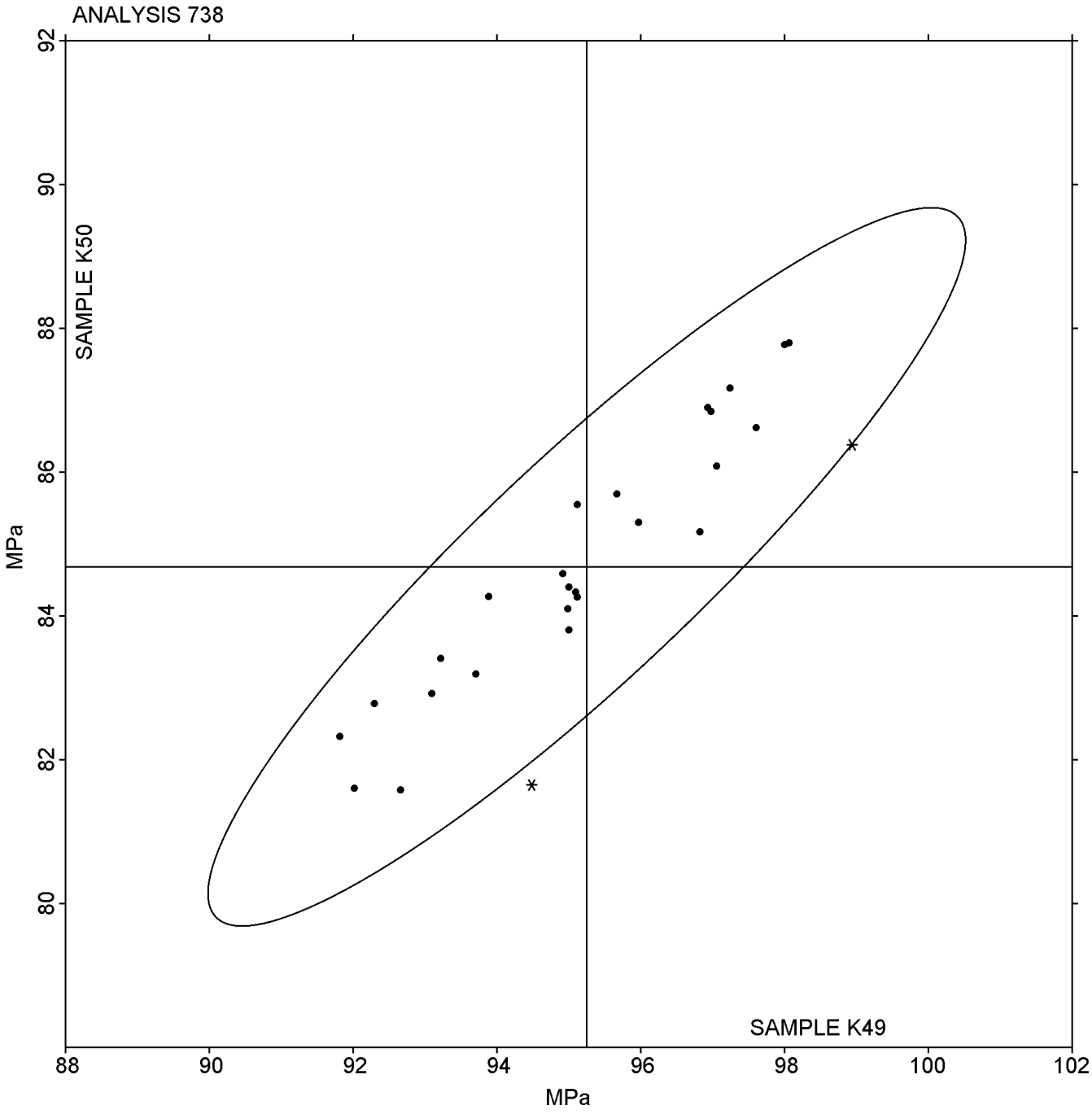
MPD2EA (M) - Laboratory did not submit data for Sample K49.

Plastics Interlaboratory Testing Program

Analysis 738

Flexural Stress at Yield - MPa

Grand Mean Sample K49: 95.249 MPa **Grand Mean Sample K50:** 84.683 MPa



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 790

Notched Izod Impact - ft.lbf/in

WebCode	Data Flag	Sample S49 Lab Mean	Sample S49 Diff from Grand Mean	Sample S49 CPV	Sample S50 Lab Mean	Sample S50 Diff from Grand Mean	Sample S50 CPV	Instr Code
1333QT		2.49	0.06	0.11	10.27	0.29	0.54	SA
2ANAF7		2.30	-0.14	-0.29	9.69	-0.29	-0.54	TM
2C6DY3		2.30	-0.13	-0.27	10.49	0.51	0.94	TM
2MDLM3		1.96	-0.48	-0.97	10.41	0.43	0.80	TO
2SUJHB		2.58	0.15	0.30	9.82	-0.15	-0.29	TO
3A2JWX		2.32	-0.11	-0.23	10.33	0.36	0.66	TM
47ZV16		2.68	0.25	0.50	10.05	0.07	0.13	BA
4E5YQC		2.88	0.45	0.90	9.68	-0.30	-0.55	TO
4TNCVS		2.51	0.07	0.15	10.17	0.19	0.35	TM
52RWEQ		3.23	0.79	1.61	10.94	0.96	1.79	CS
56LNQC		2.91	0.48	0.97	10.62	0.64	1.19	TO
5ZA8ES		3.19	0.75	1.52	10.64	0.66	1.23	TM
6DXMPJ		2.09	-0.35	-0.70	9.24	-0.74	-1.37	CE
6JQWTP	X	10.49	8.05	16.35	8.95	-1.03	-1.91	TM
71468R	*	3.64	1.20	2.44	11.07	1.09	2.02	TM
7174TC		2.28	-0.15	-0.31	10.88	0.90	1.68	CE
72LNHF		2.17	-0.27	-0.55	9.41	-0.57	-1.06	TO
87GMTG		2.37	-0.07	-0.14	9.50	-0.48	-0.89	CE
8C982B		2.09	-0.34	-0.70	9.70	-0.27	-0.51	TO
8ZYVBC		2.50	0.07	0.13	10.10	0.12	0.23	TM
9ZDU9J	*	1.34	-1.10	-2.23	8.46	-1.52	-2.83	TM
A9F4DS		2.14	-0.29	-0.59	9.68	-0.30	-0.55	TM
AHZM2Q		2.11	-0.33	-0.67	9.68	-0.29	-0.55	TO
ASQ2E9	X	2.05	-0.38	-0.78	5.36	-4.62	-8.58	TM
ASVC39		2.44	0.00	0.01	9.70	-0.28	-0.52	TO
AZ5EY4	*	3.67	1.24	2.51	10.24	0.26	0.49	TO
B92EPT		2.30	-0.14	-0.27	10.13	0.15	0.28	TM
BVKSTT	X	1.97	-0.46	-0.94	8.33	-1.64	-3.06	BA
C13GK1		2.91	0.47	0.96	10.42	0.44	0.81	TO
CRV1UD	X	4.60	2.17	4.40	25.88	15.91	29.58	TM
CZ2AZF	X	2.43	0.00	-0.01	14.53	4.55	8.46	TO
DHDX3R		2.88	0.45	0.90	9.77	-0.20	-0.38	CE

Plastics Interlaboratory Testing Program

Analysis 790

Notched Izod Impact - ft.lbf/in

WebCode	Data Flag	Sample S49 Lab Mean	Sample S49 Diff from Grand Mean	Sample S49 CPV	Sample S50 Lab Mean	Sample S50 Diff from Grand Mean	Sample S50 CPV	Instr Code
DTLKGA		2.40	-0.04	-0.08	9.69	-0.29	-0.54	TM
E77J73		2.26	-0.18	-0.36	9.55	-0.43	-0.80	BA
E8LD13		2.74	0.31	0.62	10.84	0.86	1.60	TM
EGTC7G		2.83	0.40	0.81	10.79	0.82	1.52	TO
EJQLVT		2.91	0.47	0.96	10.22	0.24	0.44	CE
EMUJG2		1.98	-0.46	-0.93	9.18	-0.80	-1.49	TO
EMYX79		2.55	0.11	0.23	10.66	0.68	1.27	TO
ENE3YK		1.70	-0.73	-1.49	9.11	-0.87	-1.62	TM
EUR8G8		2.25	-0.19	-0.38	9.64	-0.34	-0.63	TM
EVXE5S		2.93	0.49	0.99	9.69	-0.29	-0.53	TO
FTKTNR		2.61	0.18	0.36	10.53	0.56	1.03	TO
GDL6YC		3.25	0.81	1.64	10.90	0.93	1.72	CE
GDYSK9		2.27	-0.16	-0.33	9.87	-0.10	-0.19	TO
GEGEFA	*	2.94	0.50	1.02	11.37	1.40	2.60	TM
GUHHBG		2.35	-0.08	-0.17	9.43	-0.55	-1.02	TO
HB6UBP		2.03	-0.41	-0.83	9.96	-0.02	-0.04	TM
HFFG2C		2.68	0.24	0.49	10.35	0.37	0.69	TO
HWV1X4		2.27	-0.17	-0.34	9.96	-0.02	-0.03	TO
J7XW42	X	0.35	-2.09	-4.24	1.19	-8.78	-16.34	BA
JXZW2G		2.93	0.49	0.99	9.93	-0.04	-0.08	TM
JYPGDC	X	9.06	6.62	13.45	10.37	0.39	0.73	IN
KBAL84	*	0.94	-1.49	-3.03	8.60	-1.38	-2.57	TO
KHZH54		2.20	-0.24	-0.49	10.16	0.19	0.35	TM
KYQQ9E		2.41	-0.03	-0.05	9.86	-0.12	-0.22	TM
L3JDL3		2.14	-0.29	-0.60	10.10	0.12	0.23	TM
L6ASL9		2.28	-0.16	-0.33	10.13	0.15	0.28	TO
LJYTZU		1.54	-0.90	-1.82	9.36	-0.62	-1.15	TM
LNCJHE		2.25	-0.19	-0.38	9.78	-0.20	-0.37	TO
LWHGRB		2.11	-0.33	-0.67	10.49	0.51	0.94	WZ
M9E46K		2.71	0.27	0.55	9.64	-0.33	-0.62	TM
MDRTAC		2.54	0.11	0.22	10.18	0.20	0.37	TM
MHTVXH		3.28	0.84	1.71	10.97	0.99	1.85	TO

Plastics Interlaboratory Testing Program

Analysis 790

Notched Izod Impact - ft.lbf/in

WebCode	Data Flag	Sample S49 Lab Mean	Sample S49 Diff from Grand Mean	Sample S49 CPV	Sample S50 Lab Mean	Sample S50 Diff from Grand Mean	Sample S50 CPV	Instr Code
MJPC7L		2.57	0.13	0.26	9.75	-0.23	-0.43	BA
MY6A9E		2.17	-0.27	-0.54	9.73	-0.24	-0.45	CE
Q3RVPJ		1.61	-0.83	-1.68	9.85	-0.13	-0.25	CE
QMAGVT		2.51	0.07	0.14	9.99	0.01	0.02	TM
QME2P1	X	8.57	6.14	12.46	10.50	0.52	0.97	TO
QP5SYF		2.32	-0.11	-0.23	9.85	-0.13	-0.24	TO
QZVNPH	*	2.30	-0.14	-0.28	8.80	-1.18	-2.20	CS
R4V1DB		2.35	-0.09	-0.18	9.79	-0.19	-0.35	XX
RN1PLK		2.04	-0.39	-0.80	9.46	-0.52	-0.96	TM
S4ZT1Q		2.11	-0.32	-0.66	9.79	-0.18	-0.34	TO
SG2P7E		2.27	-0.17	-0.35	9.58	-0.40	-0.74	CE
SGR9AF		2.77	0.33	0.67	10.16	0.18	0.34	TO
SJJRMW	X	2.71	0.27	0.55	11.81	1.83	3.41	TM
SLKB4W		2.98	0.54	1.10	9.58	-0.40	-0.74	TM
SQJ3HB		2.03	-0.41	-0.83	10.09	0.11	0.21	TO
TBVEV6		1.95	-0.49	-0.99	9.44	-0.53	-0.99	TM
TD585C		2.59	0.15	0.31	10.18	0.21	0.38	TO
TTE47H		2.21	-0.22	-0.45	10.02	0.04	0.08	XX
U26YP2		2.29	-0.14	-0.29	10.29	0.31	0.57	TM
UCSXQN		2.67	0.23	0.47	9.74	-0.24	-0.45	MI
UUJUBK		2.02	-0.41	-0.84	9.59	-0.39	-0.73	TO
V7L4QX		3.44	1.01	2.05	10.78	0.80	1.49	AT
VX4D7A		2.31	-0.13	-0.26	9.41	-0.57	-1.06	TM
VXYMX3		2.36	-0.08	-0.17	10.07	0.09	0.17	RR
WZCQZY		2.85	0.41	0.84	10.20	0.22	0.42	TM
X5VMTD		3.61	1.18	2.39	10.59	0.61	1.13	TO
XSWFD6	*	1.30	-1.14	-2.31	9.61	-0.37	-0.69	TM
XTYJBE		2.27	-0.17	-0.34	9.55	-0.43	-0.79	TM
YJ7WV7		2.56	0.12	0.25	9.75	-0.23	-0.42	CE
YL92ZC		1.53	-0.91	-1.84	9.78	-0.19	-0.36	TO
YPAHJE		2.32	-0.11	-0.23	9.94	-0.03	-0.06	TO

Plastics Interlaboratory Testing Program
Analysis 790
Notched Izod Impact - ft.lbf/in

WebCode	Data Flag	Sample S49 Lab Mean	Sample S49 Diff from Grand Mean	Sample S49 CPV	Sample S50 Lab Mean	Sample S50 Diff from Grand Mean	Sample S50 CPV	Instr Code
YUK5AL		2.46	0.02	0.04	10.44	0.46	0.85	TO
Z79WVV		2.39	-0.04	-0.09	9.37	-0.61	-1.14	WY
ZN3PFU		2.66	0.22	0.45	10.15	0.17	0.32	TO
ZT1TW3		2.92	0.48	0.98	10.70	0.72	1.35	CE

Summary Statistics

	Sample S49	Sample S50
Grand Means	2.436 ft.lbf/in	9.978 ft.lbf/in
Stnd Dev Btwn Labs	0.492 ft.lbf/in	0.538 ft.lbf/in

Statistics based on 90 of 99 reporting participants

Sample S49: ABS/PC **& Sample S50:** ABS/PC

Comments on assigned Data Flags for Test #790

6JQWTP (X) - Inconsistent in testing between samples and inconsistent in testing within Sample S49. High data for Sample S49.

ASQ2E9 (X) - Inconsistent in testing between samples, data for Sample S50 are low.

BVKSTT (X) - Inconsistent in testing between samples, data for Sample S50 are low.

CRV1UD (X) - High data for all samples. Inconsistent in testing within Sample S49.

CZ2AZF (X) - Inconsistent in testing between samples and inconsistent in testing within Sample S50. High data for Sample S50.

J7XW42 (X) - Low data for all samples.

JYPGDC (X) - Inconsistent in testing between samples and inconsistent in testing within Sample S50. High data for Sample S49.

QME2P1 (X) - Inconsistent in testing between samples and inconsistent in testing within Sample S49. High data for Sample S49.

SJJRMW (X) - Inconsistent in testing between samples, data for Sample S50 are high.

Instrument Code List as Reported by the Labs

(AT) - Atlas

(BA) - Baldwin

(CE) - Ceast

(CS) - CSI

(IN) - Instron

(MI) - Mitsubishi

(RR) - Ray-Ran Polymer Testing Equipment

(SA) - Satec

(TM) - TMI

(TO) - Tinius Olsen

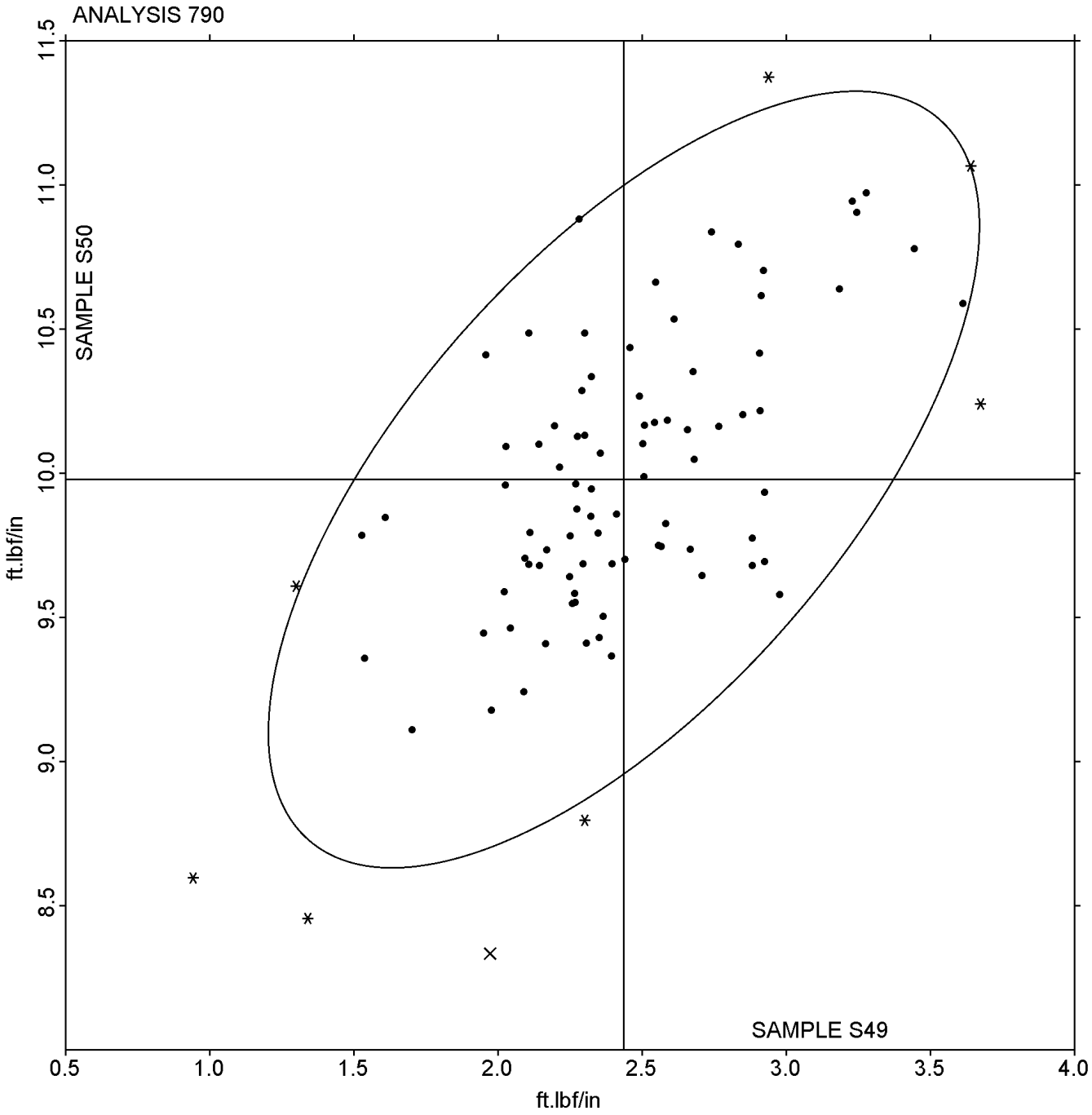
(WY) - Yasuda Seiki

(WZ) - Zwick

(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program
Analysis 790
Notched Izod Impact - ft.lbf/in

Grand Mean Sample S49: 2.4365 ft.lbf/in **Grand Mean Sample S50:** 9.9783 ft.lbf/in



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 792

Notched Charpy Impact - kJ/m^2

WebCode	Data Flag	Sample M49 Lab Mean	Sample M49 Diff from Grand Mean	Sample M49 CPV	Sample M50 Lab Mean	Sample M50 Diff from Grand Mean	Sample M50 CPV	Instr Code
11CR7R		15.08	0.16	0.05	51.39	3.72	1.01	TM
1SMPUY		12.21	-2.70	-0.79	45.18	-2.49	-0.68	CE
2H5R7W		9.27	-5.65	-1.66	44.04	-3.63	-0.99	TO
2W4LGN		14.73	-0.19	-0.06	50.90	3.23	0.88	TM
3612EH		10.54	-4.38	-1.29	44.74	-2.93	-0.80	TO
49X3Z5		15.34	0.42	0.12	47.76	0.09	0.02	WZ
629JR1		13.34	-1.58	-0.47	45.72	-1.95	-0.53	TO
7MWK7N		15.04	0.12	0.04	52.59	4.92	1.33	TO
846SP9		14.81	-0.11	-0.03	48.95	1.28	0.35	TM
9KQDHR		20.95	6.04	1.77	53.06	5.39	1.46	TM
9NYGW2		11.68	-3.24	-0.95	41.68	-5.99	-1.63	TO
ACMX7V		14.52	-0.39	-0.12	47.93	0.26	0.07	CE
CJWLPS		15.20	0.29	0.08	46.60	-1.07	-0.29	CE
CXZS2B	M	No data reported for this sample			49.33	1.66	0.45	XX
CZZN9M		11.13	-3.79	-1.11	46.85	-0.82	-0.22	IN
DJMQMX		9.62	-5.30	-1.56	42.97	-4.70	-1.28	KC
E5M4Z2		16.24	1.32	0.39	50.79	3.12	0.85	CE
EDYR1R	*	12.01	-2.91	-0.85	36.89	-10.78	-2.93	TM
EUQ3KA		15.06	0.14	0.04	52.16	4.49	1.22	CE
GJGQHM		14.94	0.03	0.01	45.51	-2.16	-0.59	KF
GZ6JTA	M	No data reported for this sample			45.60	-2.07	-0.56	XX
H218J9		13.47	-1.45	-0.43	48.72	1.05	0.28	TO
J54QM5		14.70	-0.22	-0.06	44.52	-3.15	-0.86	CE
KCK5UY		13.54	-1.38	-0.41	49.87	2.20	0.60	TM
KGT8BU		11.45	-3.47	-1.02	41.76	-5.91	-1.60	TM
L56H3G		13.97	-0.95	-0.28	51.01	3.34	0.91	TO
L9AHHD		17.05	2.13	0.63	49.53	1.86	0.50	TO
LRK5F1		19.22	4.31	1.27	43.02	-4.65	-1.26	CE
M8YR6C		14.95	0.03	0.01	44.88	-2.79	-0.76	TM
M9Q4W3		15.23	0.31	0.09	51.56	3.89	1.05	TO
MNLPV9		14.29	-0.63	-0.18	50.85	3.18	0.86	TO
PMA7M1		19.50	4.58	1.35	50.14	2.47	0.67	TO

Plastics Interlaboratory Testing Program

Analysis 792

Notched Charpy Impact - kJ/m^2

WebCode	Data Flag	Sample M49 Lab Mean	Sample M49 Diff from Grand Mean	Sample M49 CPV	Sample M50 Lab Mean	Sample M50 Diff from Grand Mean	Sample M50 CPV	Instr Code
QEM2TW		14.69	-0.22	-0.07	45.98	-1.69	-0.46	CE
RPTV46	*	25.78	10.87	3.19	50.20	2.53	0.69	PO
RUACHV		15.35	0.44	0.13	46.11	-1.56	-0.42	TM
SXWRYB	*	24.16	9.24	2.72	45.60	-2.07	-0.56	CE
TCXF91		17.09	2.17	0.64	52.33	4.66	1.27	SA
TYL9RA	M	12.04	-2.87	-0.84	No data reported for this sample			XX
URHHUG		13.12	-1.80	-0.53	51.70	4.03	1.09	BA
W2LHV7		15.11	0.19	0.06	50.13	2.46	0.67	TM
W7UR4T		14.87	-0.05	-0.01	45.78	-1.89	-0.51	TM
WR22WN		12.55	-2.37	-0.70	49.72	2.05	0.56	CE

Summary Statistics

Grand Means

14.918 kJ/m^2 47.671 kJ/m^2

Stnd Dev Btwn Labs

3.402 kJ/m^2 3.683 kJ/m^2

Statistics based on 39 of 42 reporting participants

Sample M49: ABS/PC **& Sample M50:** ABS/PC

Comments on assigned Data Flags for Test #792

CXZS2B (M) - Laboratory did not submit data for Sample M49.

GZ6JTA (M) - Laboratory did not submit data for Sample M49.

TYL9RA (M) - Laboratory did not submit data for Sample M50.

Instrument Code List as Reported by the Labs

(BA) - Baldwin

(CE) - Ceast

(IN) - Instron

(KC) - Kladivo Charpy

(KF) - Karl Frank GmbH

(PO) - POE

(SA) - Satec

(TM) - TMI

(TO) - Tinius Olsen

(WZ) - Zwick

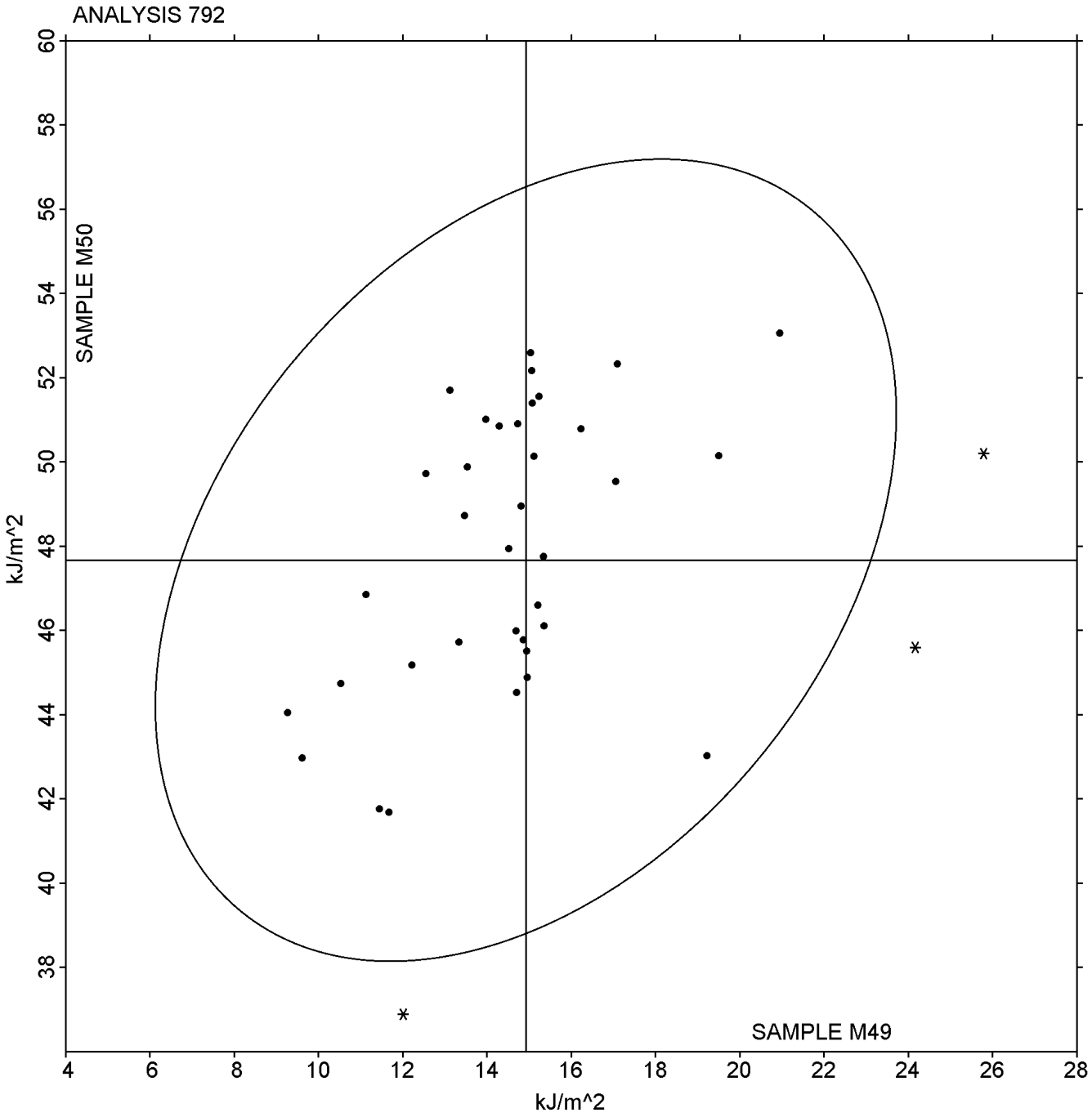
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 792

Notched Charpy Impact - kJ/m ^ 2

Grand Mean Sample M49: 14.918 kJ/m^2 **Grand Mean Sample M50:** 47.671 kJ/m^2



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 710

Deflection Temp. Under Flexural Load (1.82 MPa) - Degrees C

WebCode	Data Flag	Sample E49 Lab Mean	Sample E49 Diff from Grand Mean	Sample E49 CPV	Sample E50 Lab Mean	Sample E50 Diff from Grand Mean	Sample E50 CPV	Instr Code
1HXVLB		81.38	1.41	0.99	81.25	0.73	0.51	AT
1XSXXE		79.23	-0.74	-0.52	79.83	-0.70	-0.49	TO
2DMNXU		79.65	-0.31	-0.22	79.98	-0.55	-0.38	CE
2MT1WL	*	79.15	-0.81	-0.57	80.68	0.15	0.11	TO
3MTGJZ		79.90	-0.06	-0.04	79.93	-0.60	-0.42	AT
4PMQXD		79.58	-0.39	-0.27	80.18	-0.35	-0.24	CE
5PCQ4H		78.50	-1.46	-1.03	78.80	-1.72	-1.20	TO
6HAGKX		79.18	-0.79	-0.55	79.58	-0.95	-0.66	TO
7TU56V		81.85	1.89	1.32	82.53	2.00	1.40	AT
89SPAJ		79.48	-0.49	-0.34	79.83	-0.70	-0.49	TO
8EZG1A		83.38	3.41	2.39	83.98	3.45	2.41	TO
9XZEM3		79.40	-0.56	-0.40	80.00	-0.52	-0.36	RR
A3WB2N		80.48	0.51	0.36	81.48	0.95	0.66	AT
AMGCMM		80.25	0.29	0.20	80.80	0.28	0.19	AT
AQNQG9		78.40	-1.56	-1.10	79.05	-1.47	-1.03	TO
AUQN9J		81.65	1.69	1.18	82.35	1.83	1.27	EM
BG9M33		79.73	-0.24	-0.17	80.08	-0.45	-0.31	EM
BQQBUR		79.68	-0.29	-0.20	80.50	-0.02	-0.02	CS
BWBHS4		79.43	-0.54	-0.38	79.73	-0.80	-0.56	RO
BWU1NJ		80.73	0.76	0.53	81.68	1.15	0.80	XX
C6EP1X		81.83	1.86	1.31	82.28	1.75	1.22	XA
CVMAKF	X	79.90	-0.06	-0.04	81.83	1.30	0.91	CE
EAF2SU		81.40	1.44	1.01	82.73	2.20	1.54	AT
EF6LRJ		80.23	0.26	0.18	80.88	0.35	0.25	DN
EP9REZ		79.13	-0.84	-0.59	79.65	-0.87	-0.61	CE
EQEZ2G		80.03	0.06	0.04	80.55	0.03	0.02	AT
F4A9YE		80.28	0.31	0.22	80.80	0.28	0.19	AT
FC84RU		79.88	-0.09	-0.06	79.98	-0.55	-0.38	CE
GCGUWQ		79.40	-0.56	-0.40	80.13	-0.40	-0.28	CE
GDQXA5	*	76.48	-3.49	-2.45	77.43	-3.10	-2.16	TO
HM2A3R		81.33	1.36	0.96	82.00	1.48	1.03	XX
J4ZM33		81.58	1.61	1.13	81.25	0.73	0.51	CE

Plastics Interlaboratory Testing Program

Analysis 710

Deflection Temp. Under Flexural Load (1.82 MPa) - Degrees C

WebCode	Data Flag	Sample E49 Lab Mean	Sample E49 Diff from Grand Mean	Sample E49 CPV	Sample E50 Lab Mean	Sample E50 Diff from Grand Mean	Sample E50 CPV	Instr Code
J8UTSJ		76.58	-3.39	-2.38	77.43	-3.10	-2.16	CE
JPU1DE		79.43	-0.54	-0.38	79.63	-0.90	-0.63	AT
KRJMJ7		80.03	0.06	0.04	80.78	0.25	0.18	CS
M6JBF5		80.33	0.36	0.25	80.55	0.03	0.02	TO
N2DTED		79.23	-0.74	-0.52	80.30	-0.22	-0.16	TO
N3E4NX		79.60	-0.36	-0.25	79.93	-0.60	-0.42	CE
Q2W7G5		79.55	-0.41	-0.29	79.83	-0.70	-0.49	CE
QGF7SJ		81.25	1.29	0.90	81.50	0.98	0.68	XA
S6S8QM		79.75	-0.21	-0.15	80.95	0.43	0.30	CE
SUAAW9		79.25	-0.71	-0.50	80.33	-0.20	-0.14	CE
TRY9LD		79.63	-0.34	-0.24	79.80	-0.72	-0.50	XX
U8KUJA		81.00	1.04	0.73	81.80	1.28	0.89	TO
UV6V4W		80.73	0.76	0.53	80.80	0.28	0.19	TO
W5W2DH		80.83	0.86	0.60	81.05	0.53	0.37	TO
WW7U3U	*	76.05	-3.91	-2.75	76.38	-4.15	-2.89	TO
XJS83S		83.08	3.11	2.18	83.98	3.45	2.41	AT
YDZVWN		78.50	-1.46	-1.03	79.43	-1.10	-0.77	TO
YMSRYF		80.93	0.96	0.67	81.38	0.85	0.59	DN

Summary Statistics

Grand Means

79.963 Degrees C — 80.523 Degrees C

Stnd Dev Btwn Labs

1.425 Degrees C — 1.435 Degrees C

Statistics based on 49 of 50 reporting participants

Sample E49: ABS **&** **Sample E50:** ABS

Comments on assigned Data Flags for Test #710

CVMAKF (X) - Inconsistent in testing between samples and inconsistent in testing within both samples.

Plastics Interlaboratory Testing Program
Analysis 710
Deflection Temp. Under Flexural Load (1.82 MPa) - Degrees C

Instrument Code List as Reported by the Labs

(AT) - Atlas

(CE) - Ceast

(CS) - CSI

(DN) - DYNISCO

(EM) - Empire-Vortex

(RO) - Rosand

(RR) - Ray-Ran

(TO) - Tinius Olsen

(XA) - Special In-House Instrument

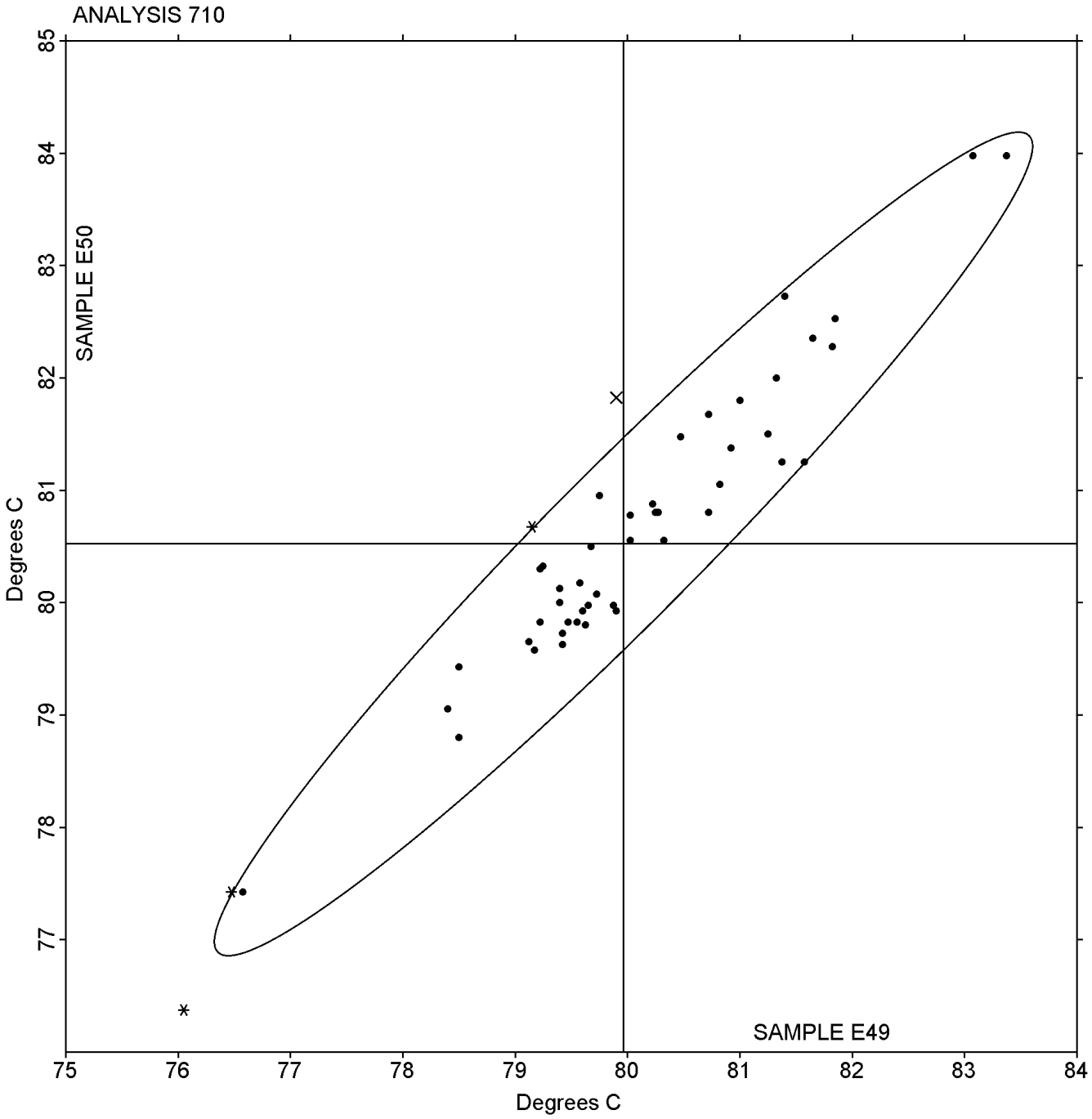
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 710

Deflection Temp. Under Flexural Load (1.82 MPa) - Degrees C

Grand Mean Sample E49: 79.963 Degrees C **Grand Mean Sample E50:** 80.523 Degrees C



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 711

Deflection Temp. Under Flexural Load (0.455 MPa) - Degrees C

WebCode	Data Flag	Sample G49 Lab Mean	Sample G49 Diff from Grand Mean	Sample G49 CPV	Sample G50 Lab Mean	Sample G50 Diff from Grand Mean	Sample G50 CPV	Instr Code
1C975Y		106.1	8.6	1.19	107.2	9.0	1.19	XX
2FELJ7		101.9	4.4	0.61	103.5	5.3	0.70	TO
2PF8UH	*	74.2	-23.4	-3.25	74.2	-24.0	-3.17	TY
5J6VYN		98.9	1.3	0.19	101.1	2.9	0.38	TO
5J97BN		94.9	-2.7	-0.37	93.3	-4.9	-0.64	CE
71YGJE		93.9	-3.6	-0.50	94.1	-4.1	-0.54	CE
7XKPYA	*	94.6	-3.0	-0.42	100.4	2.2	0.29	CE
8UL5TQ		100.4	2.8	0.39	102.9	4.7	0.62	TY
C3M7JE		91.8	-5.7	-0.79	90.6	-7.6	-1.00	CE
C71CA4		94.4	-3.1	-0.43	94.2	-4.0	-0.53	EM
CU8V34		101.0	3.4	0.47	97.7	-0.5	-0.07	TO
E776FQ		108.6	11.1	1.54	110.7	12.5	1.64	CE
E9V333		97.3	-0.3	-0.04	98.2	0.0	0.00	CE
G4RMB7		110.9	13.3	1.85	109.2	11.0	1.45	EM
K9SUKK		95.8	-1.7	-0.24	97.3	-0.9	-0.11	CS
KSF23J		107.2	9.6	1.34	107.8	9.6	1.27	CE
KTA6H5		93.0	-4.6	-0.63	94.6	-3.6	-0.47	TO
KUR8X9		94.9	-2.7	-0.37	94.4	-3.8	-0.50	RO
LS2S32		95.2	-2.4	-0.33	94.9	-3.2	-0.43	TO
LVT73Z		98.3	0.8	0.11	102.9	4.8	0.63	TO
RFFG1C		96.6	-0.9	-0.13	96.2	-1.9	-0.26	AT
RNA815		96.0	-1.6	-0.22	96.4	-1.8	-0.24	AT
TYUS2U		96.1	-1.5	-0.20	93.9	-4.3	-0.57	TO
U6XWZL		95.3	-2.3	-0.31	94.2	-4.0	-0.53	DN
ULVQR1		103.3	5.8	0.80	103.5	5.3	0.70	EM
VTM2FS		105.0	7.5	1.04	107.8	9.7	1.27	TO
YJCSND		88.4	-9.1	-1.27	89.9	-8.3	-1.09	RR

Plastics Interlaboratory Testing Program
Analysis 711
Deflection Temp. Under Flexural Load (0.455 MPa) - Degrees C

Summary Statistics

Grand Means	97.54 Degrees C	98.17 Degrees C
Stnd Dev Btwn Labs	7.19 Degrees C	7.59 Degrees C

Statistics based on 27 of 27 reporting participants

Sample G49: PP **&** **Sample G50:** PP

Instrument Code List as Reported by the Labs

(AT) - Atlas

(CE) - Ceast

(CS) - CSI

(DN) - DYNISCO

(EM) - Empire-Vortex

(RO) - Rosand

(RR) - Ray-Ran

(TO) - Tinius Olsen

(TY) - Toyoseiki

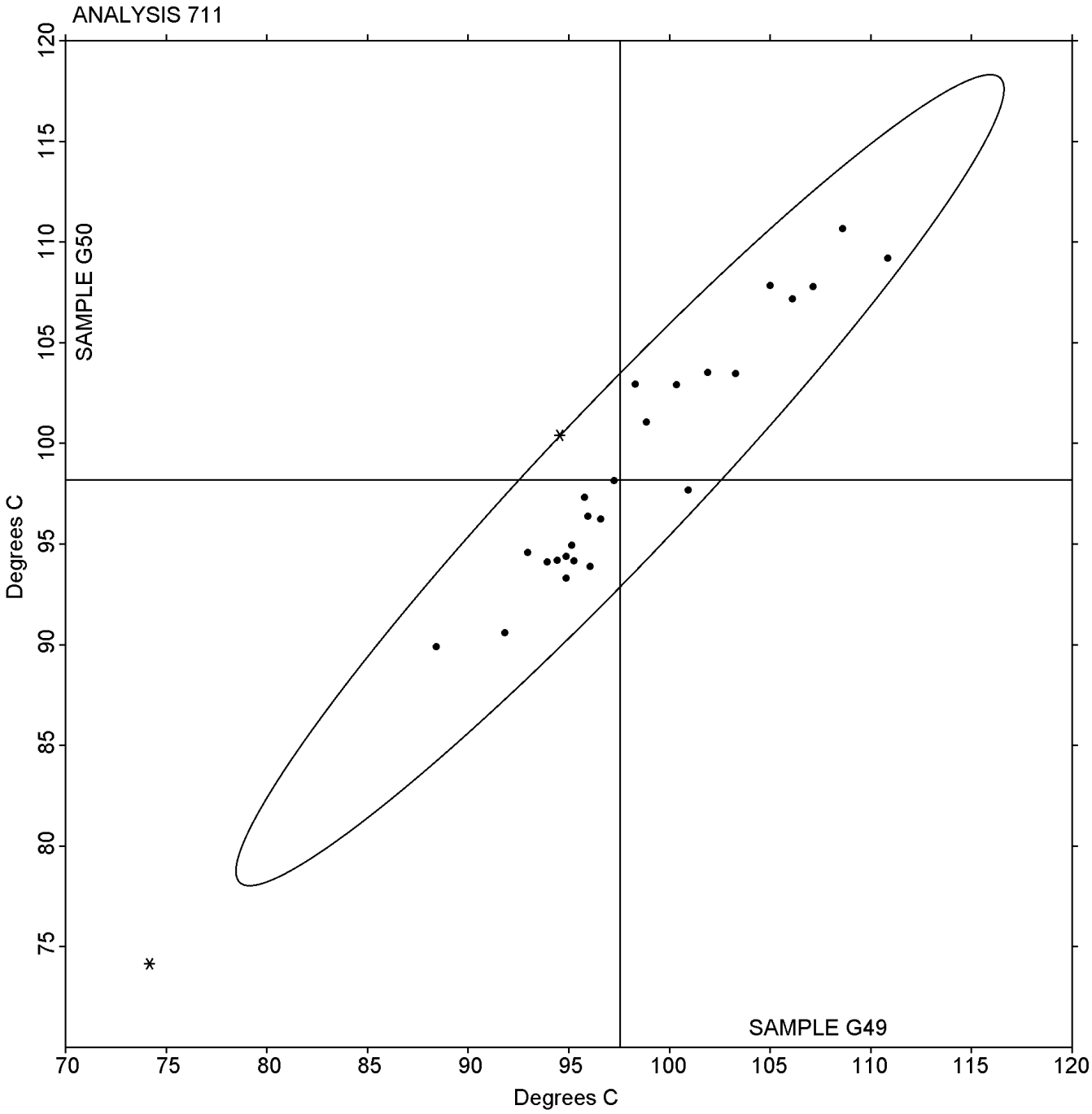
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 711

Deflection Temp. Under Flexural Load (0.455 MPa) - Degrees C

Grand Mean Sample G49: 97.539 Degrees C **Grand Mean Sample G50:** 98.172 Degrees C



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 712

Temp. of Deflection Under Flexural Load (1.80 MPa) - Degrees C

WebCode	Data Flag	Sample N49 Lab Mean	Sample N49 Diff from Grand Mean	Sample N49 CPV	Sample N50 Lab Mean	Sample N50 Diff from Grand Mean	Sample N50 CPV	Instr Code
1E3DY4		79.58	-0.53	-0.50	76.58	-1.56	-1.37	CS
3YTRJT		81.75	1.65	1.56	79.60	1.47	1.29	EM
5422BK		79.33	-0.78	-0.74	77.20	-0.93	-0.82	AT
56RFN5		78.93	-1.18	-1.12	77.50	-0.63	-0.56	CE
5JZQFV		80.38	0.27	0.26	78.05	-0.08	-0.07	XX
6ZTWTG		80.83	0.72	0.68	78.55	0.42	0.36	AT
862UY6		79.20	-0.90	-0.86	76.90	-1.23	-1.08	CE
CGUEVE		79.75	-0.35	-0.33	77.15	-0.98	-0.86	XX
CRBRND		79.40	-0.70	-0.67	77.45	-0.68	-0.60	TO
DKVVR9		80.13	0.02	0.02	77.18	-0.96	-0.84	TO
DRPX7Q		79.63	-0.48	-0.45	77.25	-0.88	-0.78	CE
E9BDPP	*	79.18	-0.93	-0.88	78.83	0.69	0.61	CE
EDSL6T		78.28	-1.83	-1.73	76.90	-1.23	-1.08	TO
GK5XBA		80.15	0.05	0.04	78.23	0.09	0.08	AT
H7G1VV		80.98	0.87	0.83	79.35	1.22	1.07	AT
HA3A5H		79.78	-0.33	-0.31	77.85	-0.28	-0.25	AT
JKKBW2		81.13	1.02	0.97	78.43	0.29	0.26	CE
KYPQ1F		80.28	0.17	0.16	78.73	0.59	0.52	AT
N5GKSK		79.70	-0.40	-0.38	78.15	0.02	0.01	CE
PAZDUZ		78.40	-1.70	-1.61	76.15	-1.98	-1.74	TO
PYM3J3		80.90	0.80	0.75	78.40	0.27	0.23	AT
QBKQSK		79.40	-0.70	-0.67	77.25	-0.88	-0.78	XX
QJNHG9		79.25	-0.85	-0.81	77.43	-0.71	-0.62	AT
QN4E55		80.48	0.37	0.35	78.40	0.27	0.23	AT
QSSQSY		79.00	-1.10	-1.04	77.13	-1.01	-0.89	TO
QTX8K6	*	82.83	2.72	2.58	80.35	2.22	1.95	RO
QZY476	*	82.53	2.42	2.29	81.23	3.09	2.71	EM
R7T4WS	*	79.83	-0.28	-0.26	79.88	1.74	1.53	CE
RZGNTB		80.58	0.47	0.45	79.35	1.22	1.07	TO
S1ZZEH	X	83.85	3.75	3.55	80.30	2.17	1.90	AT
SX455Q		80.58	0.47	0.45	78.23	0.09	0.08	XX
TZCEV2		79.73	-0.38	-0.36	78.30	0.17	0.15	CE

Plastics Interlaboratory Testing Program

Analysis 712

Temp. of Deflection Under Flexural Load (1.80 MPa) - Degrees C

WebCode	Data Flag	Sample N49 Lab Mean	Sample N49 Diff from Grand Mean	Sample N49 CPV	Sample N50 Lab Mean	Sample N50 Diff from Grand Mean	Sample N50 CPV	Instr Code
UP1SUH		79.65	-0.45	-0.43	77.63	-0.51	-0.45	DN
VJCWXU		82.23	2.12	2.01	80.28	2.14	1.88	AT
W3P8RA		80.48	0.37	0.35	78.50	0.37	0.32	AT
WXC2PN		79.03	-1.08	-1.02	77.00	-1.13	-1.00	TO
XF4V17		80.80	0.70	0.66	78.10	-0.03	-0.03	CE
ZSVNWA		79.85	-0.25	-0.24	77.55	-0.58	-0.51	CE

Summary Statistics

Grand Means

80.103 Degrees C — 78.134 Degrees C

Stnd Dev Btwn Labs

1.056 Degrees C — 1.139 Degrees C

Statistics based on 37 of 38 reporting participants

Sample N49: HIPS **& Sample N50:** HIPS

Comments on assigned Data Flags for Test #712

S1ZZEH (X) - Inconsistent in testing between samples and inconsistent in testing within Sample N49. High data for Sample N49.

Instrument Code List as Reported by the Labs

(AT) - Atlas

(CE) - Ceast

(CS) - CSI

(DN) - DYNISCO

(EM) - Empire-Vortex

(RO) - Rosand

(TO) - Tinius Olsen

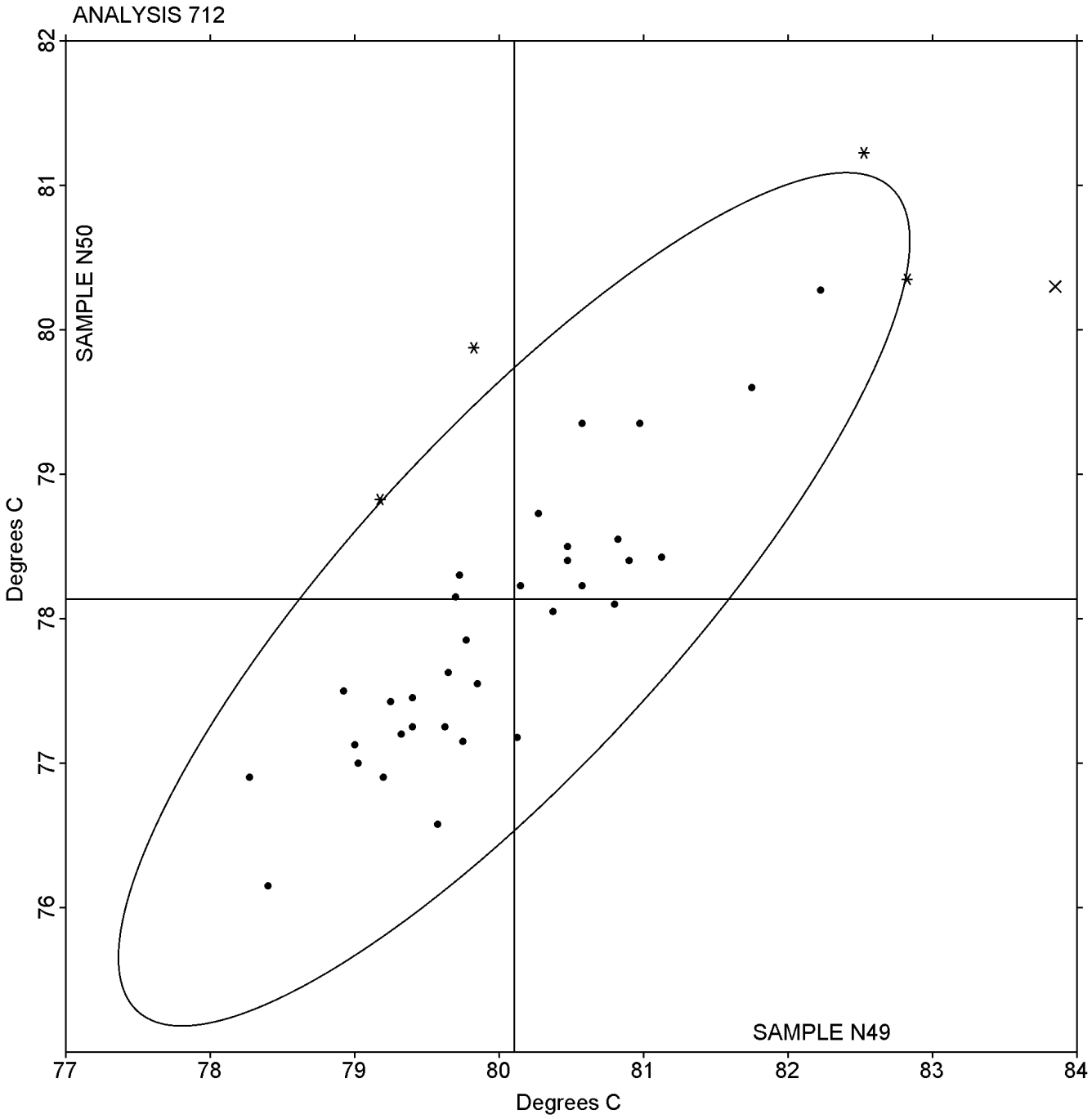
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 712

Temp. of Deflection Under Flexural Load (1.80 MPa) - Degrees C

Grand Mean Sample N49: 80.103 Degrees C **Grand Mean Sample N50:** 78.134 Degrees C



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 715

Vicat Softening Temperature (Rate A)

WebCode	Data Flag	Sample H49 Lab Mean	Sample H49 Diff from Grand Mean	Sample H49 CPV	Sample H50 Lab Mean	Sample H50 Diff from Grand Mean	Sample H50 CPV	Instr Code
17VNJ1		111.03	-0.94	-1.09	116.20	-0.97	-1.00	TO
259Q3C		113.03	1.07	1.25	118.32	1.15	1.19	CE
3W7MZW		111.63	-0.33	-0.38	117.53	0.37	0.38	CE
4PEQC9		113.00	1.04	1.21	118.50	1.33	1.38	CE
5F9JQS		111.98	0.02	0.02	117.25	0.08	0.09	CE
6UJ71H		113.30	1.34	1.56	118.73	1.57	1.62	EM
7ZX5HX	X	115.07	3.10	3.62	119.25	2.08	2.15	RR
CGQ76C		112.15	0.19	0.22	117.13	-0.03	-0.03	AT
DWKHKH		112.65	0.69	0.80	117.88	0.72	0.74	EM
DXWJG3		113.53	1.57	1.83	118.30	1.13	1.17	EM
F9PSL7		111.67	-0.30	-0.35	117.32	0.15	0.16	CE
FMTZDX		112.03	0.07	0.08	117.60	0.43	0.45	TO
GLNMXB		112.50	0.54	0.63	117.82	0.65	0.67	AT
GMUR82		110.88	-1.08	-1.26	116.22	-0.95	-0.98	CE
GNHDAT		112.15	0.19	0.22	116.73	-0.43	-0.45	TO
GRSMWP		111.75	-0.21	-0.25	116.80	-0.37	-0.38	CE
KK8L21		111.43	-0.53	-0.62	116.58	-0.58	-0.60	AT
KZ4WZ8		112.23	0.27	0.31	117.98	0.82	0.84	CE
L6GWCP		111.80	-0.16	-0.19	117.03	-0.13	-0.14	TO
MFHD84		111.60	-0.36	-0.42	116.58	-0.58	-0.60	CE
MMQHPJ	*	112.10	0.14	0.16	116.33	-0.83	-0.86	CS
N5EQ7H		110.80	-1.16	-1.36	115.52	-1.65	-1.70	CE
NMGWH4		112.40	0.44	0.51	117.57	0.40	0.41	RO
PJN9LK		112.08	0.12	0.14	117.38	0.22	0.22	CE
QF5GE3		111.60	-0.36	-0.42	116.67	-0.50	-0.52	TO
SBRSEC	X	113.68	1.72	2.00	117.12	-0.05	-0.05	TO
TSDFFT		112.03	0.07	0.08	117.00	-0.17	-0.17	DN
U8ULU5		111.47	-0.50	-0.58	116.60	-0.57	-0.58	XX
VK5EP1		113.32	1.35	1.58	118.73	1.57	1.62	XX
W6H2TV		111.33	-0.63	-0.73	117.13	-0.03	-0.03	TO
XGFS3R	*	109.45	-2.51	-2.93	114.35	-2.82	-2.91	TO

Plastics Interlaboratory Testing Program
Analysis 715
Vicat Softening Temperature (Rate A)

Summary Statistics

Grand Means	111.964 Degrees C	117.166 Degrees C
Stnd Dev Btwn Labs	0.858 Degrees C	0.969 Degrees C

Statistics based on 29 of 31 reporting participants

Sample H49: ABS **& Sample H50:** ABS

Comments on assigned Data Flags for Test #715

7ZX5HX (X) - High data for Sample H49.

SBRSEC (X) - Inconsistent in testing between samples.

Instrument Code List as Reported by the Labs

(AT) - Atlas

(CE) - Ceast

(CS) - CSI

(DN) - DYNISCO

(EM) - Empire-Vortex

(RO) - Rosand

(RR) - Ray-Ran

(TO) - Tinius Olsen

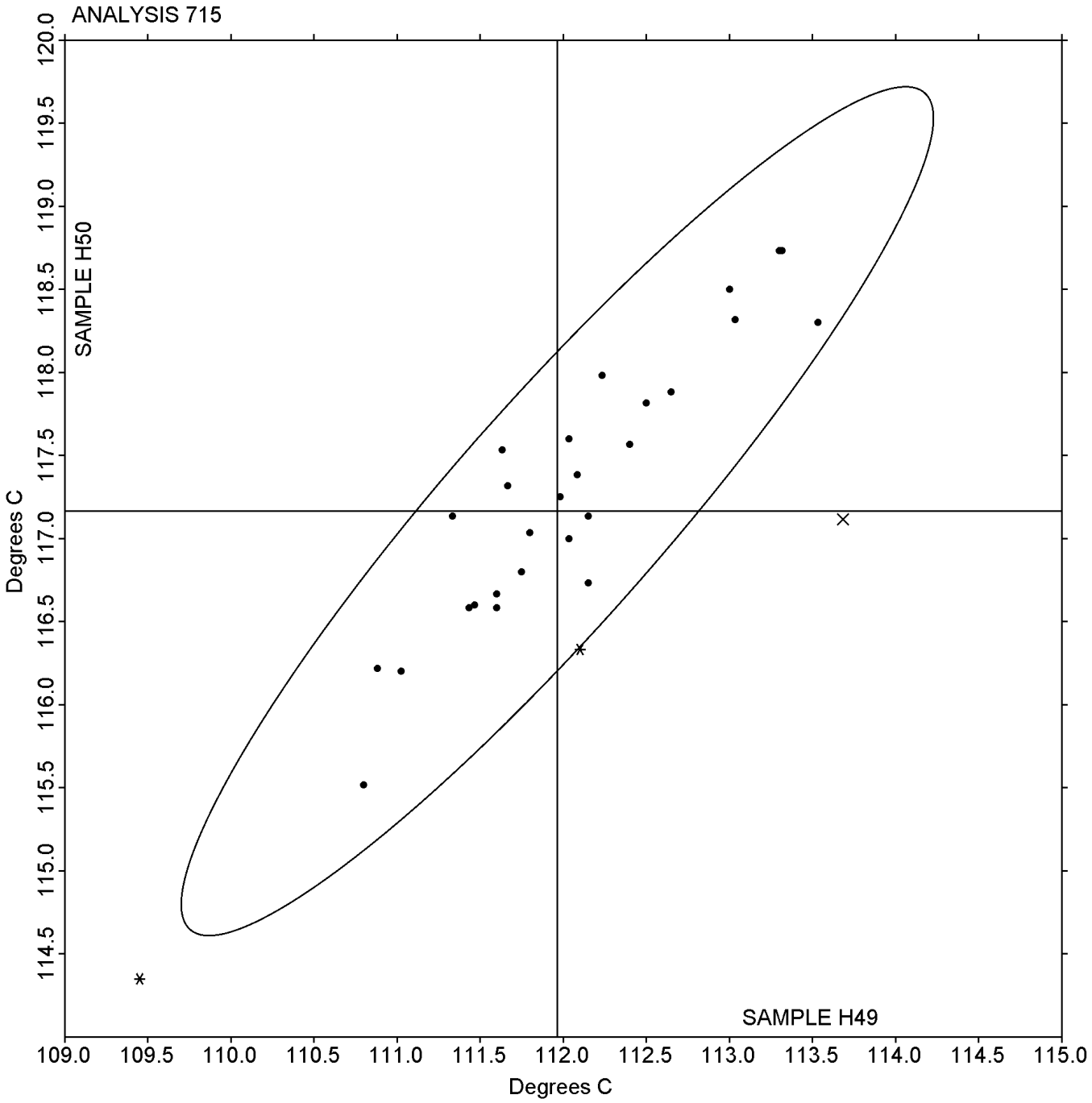
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 715

Vicat Softening Temperature (Rate A)

Grand Mean Sample H49: 111.96 Degrees C **Grand Mean Sample H50:** 117.17 Degrees C



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 716

Vicat Softening Temperature (Rate B)

WebCode	Data Flag	Sample R49 Lab Mean	Sample R49 Diff from Grand Mean	Sample R49 CPV	Sample R50 Lab Mean	Sample R50 Diff from Grand Mean	Sample R50 CPV	Instr Code
1EFP28		142.15	-0.76	-0.80	128.13	-0.29	-0.16	TO
3MC4AS		143.90	0.99	1.03	127.85	-0.57	-0.33	EM
6GC84H		143.55	0.64	0.66	128.05	-0.37	-0.21	DN
72HY4K		143.22	0.30	0.31	127.13	-1.29	-0.74	CE
794AUD		143.07	0.15	0.16	127.43	-0.99	-0.57	RO
7D6FAH		144.43	1.52	1.58	132.48	4.06	2.34	EM
7Q44MZ		143.32	0.40	0.42	129.43	1.01	0.58	TO
7USUKK		143.50	0.59	0.61	129.78	1.36	0.78	TY
9CHAVD		140.62	-2.30	-2.40	124.70	-3.72	-2.14	TO
AA9W43	X	126.62	-16.30	-16.99	142.57	14.15	8.13	TO
AXKF2K		143.53	0.62	0.64	129.83	1.41	0.81	XX
BFAPLF		142.05	-0.86	-0.90	128.15	-0.27	-0.15	AT
ETXDTR		142.48	-0.43	-0.45	126.98	-1.44	-0.83	CS
F2KHV6		141.98	-0.93	-0.97	126.00	-2.42	-1.39	TO
GL3GF1		142.47	-0.45	-0.47	130.27	1.85	1.06	TO
H633LF		142.53	-0.38	-0.40	130.15	1.73	0.99	CE
J5B8WS		143.83	0.92	0.96	130.83	2.41	1.39	CE
KU4W43		142.90	-0.01	-0.02	126.70	-1.72	-0.99	CE
KVF6SZ		143.27	0.35	0.37	127.33	-1.09	-0.62	AT
P4KGG9		145.33	2.42	2.52	130.05	1.63	0.94	XX
R2AHWL		143.00	0.09	0.09	128.88	0.46	0.27	CE
RRR75D		142.33	-0.58	-0.61	128.17	-0.25	-0.15	CE
SDUKBN		144.58	1.67	1.74	128.65	0.23	0.13	EM
SRPCZG		142.25	-0.66	-0.69	130.07	1.65	0.95	TO
TVELQR		142.25	-0.66	-0.69	129.62	1.20	0.69	AT
UZRTX6		141.68	-1.23	-1.28	125.43	-2.99	-1.72	TO
VR87BA		142.15	-0.76	-0.80	129.23	0.81	0.47	CE
XDKSRZ		142.73	-0.18	-0.19	129.02	0.60	0.34	DN
XZTA6Z		142.63	-0.28	-0.29	126.50	-1.92	-1.10	CE
YMG9Y2		142.78	-0.13	-0.14	127.30	-1.12	-0.64	CE

Plastics Interlaboratory Testing Program
Analysis 716
Vicat Softening Temperature (Rate B)

Summary Statistics

Grand Means		
	142.915 Degrees C	128.420 Degrees C
Stnd Dev Btwn Labs		
	0.959 Degrees C	1.740 Degrees C

Statistics based on 29 of 30 reporting participants

Sample R49: ABS/PC **& Sample R50:** ABS/PC

Comments on assigned Data Flags for Test #716

AA9W43 (X) - Low data for Sample R49. High data for Sample R50. Data possibly transposed between samples.

Instrument Code List as Reported by the Labs

(AT) - Atlas

(CE) - Ceast

(CS) - CSI

(DN) - DYNISCO

(EM) - Empire-Vortex

(RO) - Rosand

(TO) - Tinius Olsen

(TY) - Toyoseiki

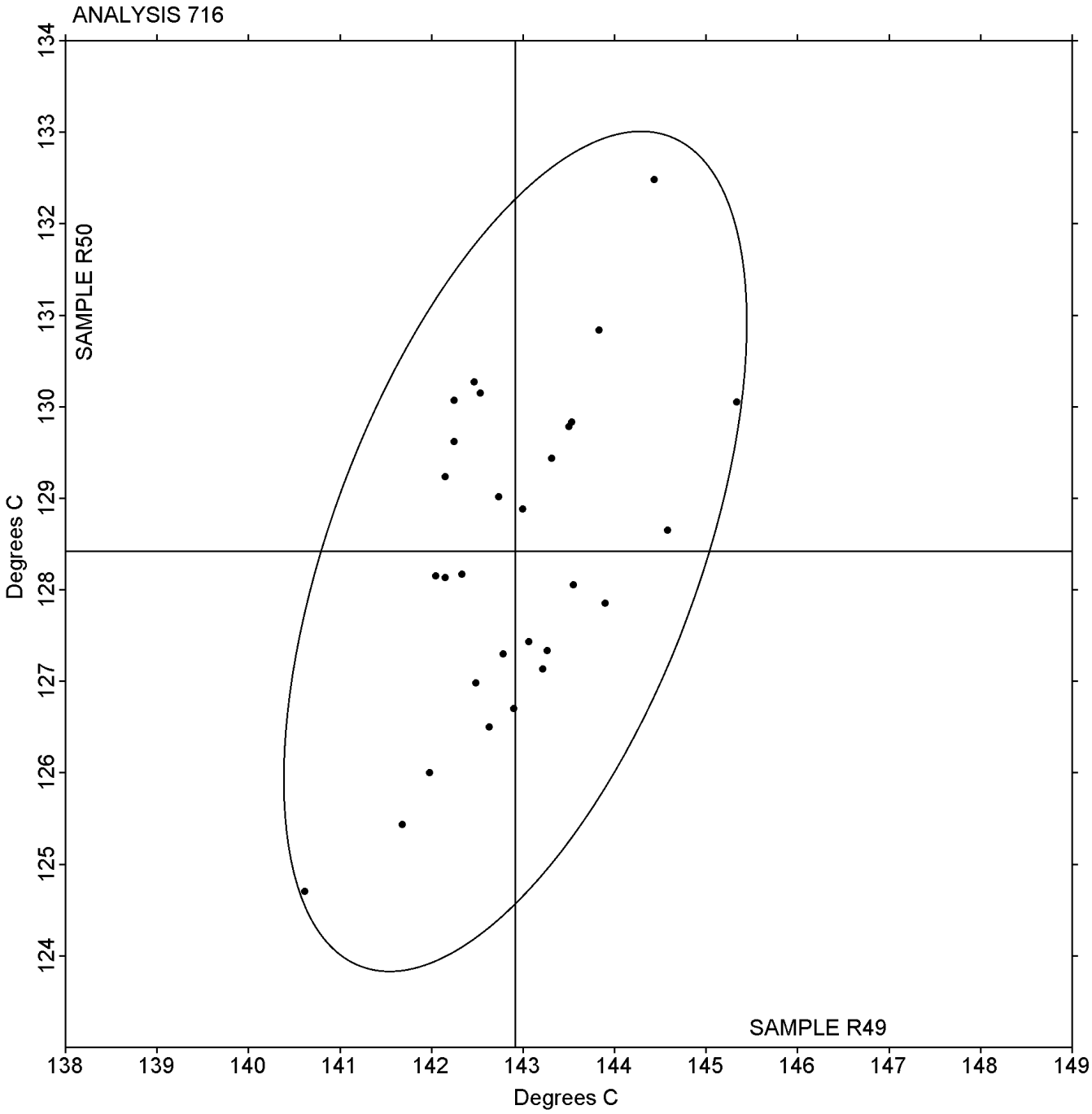
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 716

Vicat Softening Temperature (Rate B)

Grand Mean Sample R49: 142.91 Degrees C **Grand Mean Sample R50:** 128.42 Degrees C



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 750

Flow Rates of Thermoplastics (190 or 230C/2.16 kg) - G/10 mins

WebCode	Data Flag	Sample X49 Lab Mean	Sample X49 Diff from Grand Mean	Sample X49 CPV	Sample X50 Lab Mean	Sample X50 Diff from Grand Mean	Sample X50 CPV	Instr Code
1GBGRS		12.95	-0.34	-0.53	10.45	-0.35	-0.55	KA
2445LL	X	17.15	3.86	6.05	13.35	2.55	3.99	CE
283D5A		14.05	0.76	1.19	10.90	0.10	0.15	XX
28NJTL		14.40	1.11	1.74	11.60	0.80	1.25	XX
2AGZH6		12.35	-0.94	-1.47	10.65	-0.15	-0.24	WZ
2RZN3L		14.30	1.01	1.58	11.05	0.25	0.39	TO
317KQZ		13.85	0.56	0.88	11.05	0.25	0.39	TO
3D2XA4		12.12	-1.17	-1.83	10.86	0.06	0.09	KA
3E5W1R		13.98	0.69	1.08	10.92	0.11	0.18	TO
3X5MLF		12.20	-1.09	-1.71	9.55	-1.25	-1.96	KA
4Z61DY		13.30	0.01	0.02	11.10	0.30	0.47	TO
5V132K		13.59	0.30	0.46	11.23	0.42	0.66	TO
5ZLPCM		14.15	0.86	1.34	10.52	-0.29	-0.45	TO
67HBZ4		13.35	0.06	0.10	11.55	0.75	1.17	TO
6BKSGS		13.75	0.46	0.72	11.10	0.30	0.47	TO
6CTWSJ		14.01	0.72	1.13	10.44	-0.36	-0.57	TO
6H4HTX	X	13.20	-0.09	-0.14	8.95	-1.85	-2.90	CE
71ZQXH		13.67	0.38	0.60	11.80	0.99	1.56	TO
76CZCC		13.10	-0.19	-0.30	10.40	-0.40	-0.63	DY
7C1HQG		13.45	0.16	0.25	11.30	0.50	0.78	DY
7DFG3K		13.73	0.44	0.69	10.85	0.05	0.08	TO
7VGMJ7		12.30	-0.99	-1.55	10.20	-0.60	-0.94	TO
8J3ZRG		13.71	0.42	0.66	10.24	-0.56	-0.88	TO
9RDLBU		12.90	-0.39	-0.61	9.95	-0.85	-1.33	TO
9VG8FV		13.45	0.16	0.25	11.00	0.19	0.30	KA
9X34RZ		12.80	-0.49	-0.77	10.45	-0.35	-0.55	KA
9X5PLU	*	14.90	1.61	2.52	12.35	1.55	2.43	TO
9YNZWX		14.09	0.80	1.26	11.55	0.74	1.17	KA
9ZL75J		13.25	-0.04	-0.06	11.80	1.00	1.56	XX
A3M3Q8		13.18	-0.11	-0.17	10.82	0.02	0.03	XA
AX19M9		14.10	0.81	1.27	10.75	-0.05	-0.08	KA
BRMKEC		13.79	0.50	0.78	11.61	0.81	1.27	KA

Plastics Interlaboratory Testing Program

Analysis 750

Flow Rates of Thermoplastics (190 or 230C/2.16 kg) - G/10 mins

WebCode	Data Flag	Sample X49 Lab Mean	Sample X49 Diff from Grand Mean	Sample X49 CPV	Sample X50 Lab Mean	Sample X50 Diff from Grand Mean	Sample X50 CPV	Instr Code
BZFJ8Q		13.45	0.16	0.25	10.55	-0.25	-0.39	TO
C4F1DT		12.95	-0.34	-0.53	11.40	0.60	0.94	HA
C5EA9B		13.55	0.27	0.42	11.65	0.85	1.33	TO
C7C6LL		13.15	-0.14	-0.22	10.30	-0.50	-0.78	TO
D5YMYR		12.60	-0.69	-1.08	10.15	-0.65	-1.02	TO
DLKARJ		13.05	-0.24	-0.37	10.25	-0.55	-0.86	XX
DYDMKA		13.95	0.66	1.04	11.00	0.20	0.31	TO
E4MNME		12.85	-0.44	-0.69	10.20	-0.60	-0.94	TO
EJM3TQ		14.60	1.31	2.05	11.60	0.80	1.25	TO
F7KX2Z		14.15	0.86	1.35	11.25	0.45	0.70	KA
FNWGXF		13.65	0.36	0.57	10.30	-0.50	-0.78	TO
FQ4STG	X	15.65	2.36	3.70	11.50	0.70	1.09	XX
FSPAR1		12.60	-0.69	-1.08	10.20	-0.60	-0.94	TO
G46MW2		12.40	-0.89	-1.39	9.80	-1.00	-1.57	CE
GACLQ5		13.32	0.03	0.04	10.77	-0.03	-0.05	TO
GDAQ7U		13.97	0.68	1.07	10.34	-0.46	-0.72	TO
GE7ELJ		13.35	0.06	0.10	10.60	-0.20	-0.31	TO
GQ8DEM		12.95	-0.34	-0.53	9.70	-1.10	-1.72	TO
GXBXW2	X	5.85	-7.44	-11.65	4.35	-6.45	-10.10	CS
H2N1M2		12.25	-1.04	-1.63	9.25	-1.55	-2.43	TO
H97BR1	*	14.00	0.71	1.11	12.40	1.60	2.50	TO
HGLGPK		12.95	-0.34	-0.53	10.90	0.10	0.15	TO
HMC5H9		13.30	0.01	0.02	10.85	0.05	0.08	TO
HSF473		12.46	-0.83	-1.31	9.97	-0.83	-1.30	GO
J2TW9C		13.00	-0.29	-0.45	10.90	0.10	0.15	TO
JZHAY6		13.40	0.11	0.17	10.95	0.15	0.23	TO
K2YKAG		12.36	-0.93	-1.45	9.67	-1.13	-1.77	KA
KEQSD3		12.25	-1.04	-1.63	10.55	-0.25	-0.39	TO
KMUSGC		13.60	0.31	0.49	10.70	-0.10	-0.16	DY
KPRP36	*	11.50	-1.79	-2.80	9.95	-0.85	-1.33	TO
KRMGUN		12.90	-0.39	-0.61	10.56	-0.24	-0.38	WZ
L2NDAB		13.34	0.05	0.07	11.29	0.48	0.76	TO

Plastics Interlaboratory Testing Program

Analysis 750

Flow Rates of Thermoplastics (190 or 230C/2.16 kg) - G/10 mins

WebCode	Data Flag	Sample X49 Lab Mean	Sample X49 Diff from Grand Mean	Sample X49 CPV	Sample X50 Lab Mean	Sample X50 Diff from Grand Mean	Sample X50 CPV	Instr Code
LCHBME		13.25	-0.04	-0.06	11.25	0.45	0.70	KA
LEFE2D		14.60	1.31	2.05	11.00	0.20	0.31	TO
LW1PXR	*	13.20	-0.09	-0.14	12.30	1.50	2.35	TO
M2GJXX		13.45	0.16	0.25	11.35	0.55	0.86	CS
M2ZMEG		12.60	-0.69	-1.08	11.40	0.60	0.94	TO
MGXH83		13.70	0.41	0.64	11.26	0.46	0.72	DY
MPBZFA		12.64	-0.65	-1.02	10.68	-0.12	-0.19	CE
MREAEC		13.70	0.41	0.65	11.37	0.56	0.88	TO
MRPJLC		13.00	-0.29	-0.45	11.00	0.20	0.31	TO
MSASLS		12.67	-0.62	-0.97	9.89	-0.91	-1.43	WZ
N9FGED		13.60	0.31	0.49	11.10	0.30	0.47	TY
NXGQG9		14.05	0.76	1.19	11.90	1.10	1.72	CS
NZ7W33		13.13	-0.16	-0.25	10.86	0.06	0.09	QT
P3GY26	*	13.20	-0.09	-0.14	12.10	1.30	2.03	TO
P3XLRT		13.95	0.66	1.04	11.15	0.35	0.55	TO
PG2JQN		13.30	0.01	0.02	11.25	0.45	0.70	XX
PMBJ64		12.32	-0.97	-1.52	10.46	-0.35	-0.54	KA
PRX4DL		14.40	1.11	1.74	11.80	1.00	1.56	TO
PYRWK2		13.35	0.06	0.09	10.32	-0.49	-0.76	CE
PZD1VK		13.85	0.56	0.88	10.75	-0.05	-0.08	TO
Q3LV7J		13.75	0.46	0.72	11.05	0.25	0.39	TO
Q4Y76R		13.70	0.41	0.64	10.15	-0.65	-1.02	TO
QP2JZS		13.34	0.05	0.07	10.68	-0.13	-0.20	CE
QXGV5W		13.15	-0.14	-0.22	10.55	-0.25	-0.39	AT
R3ET8Y	X	10.16	-3.13	-4.91	7.59	-3.21	-5.03	KA
R899LH		13.75	0.46	0.72	11.45	0.65	1.02	TO
RJ472Y		13.25	-0.04	-0.06	10.45	-0.35	-0.55	GO
RNB5AG	X	15.54	2.25	3.52	11.09	0.28	0.44	TO
RNJYPX		12.64	-0.65	-1.02	10.30	-0.51	-0.79	CE
RTWTS8		13.70	0.41	0.64	11.15	0.35	0.55	TO
RV5DTM		14.54	1.25	1.95	11.73	0.92	1.45	TO

Plastics Interlaboratory Testing Program

Analysis 750

Flow Rates of Thermoplastics (190 or 230C/2.16 kg) - G/10 mins

WebCode	Data Flag	Sample X49 Lab Mean	Sample X49 Diff from Grand Mean	Sample X49 CPV	Sample X50 Lab Mean	Sample X50 Diff from Grand Mean	Sample X50 CPV	Instr Code
SNXW9A	X	5.40	-7.89	-12.36	4.00	-6.80	-10.65	DY
SQD28H	*	13.10	-0.19	-0.30	12.00	1.20	1.88	CE
TKHDDH		13.60	0.31	0.48	10.11	-0.70	-1.09	XX
TRCPT6		13.29	0.00	0.00	10.62	-0.18	-0.28	DY
TWXQRZ		13.10	-0.19	-0.30	10.75	-0.05	-0.08	TO
U47MX7		12.30	-0.99	-1.55	9.65	-1.15	-1.80	KA
UWV2YR		13.30	0.01	0.02	10.65	-0.15	-0.24	TO
V3PGVC		13.63	0.34	0.53	10.28	-0.52	-0.82	TO
VB4M74		12.44	-0.85	-1.34	10.50	-0.31	-0.48	TO
VWXX95		12.65	-0.64	-1.00	10.25	-0.55	-0.86	HA
VZ3C3M		12.60	-0.69	-1.08	10.05	-0.75	-1.18	KA
W4UYFC		14.35	1.06	1.66	11.60	0.80	1.25	TO
W5D8LP		13.50	0.21	0.33	10.90	0.10	0.15	TO
W6J99R		12.75	-0.54	-0.84	10.50	-0.30	-0.47	WZ
WN82AT		13.20	-0.09	-0.14	10.35	-0.45	-0.71	TO
WS2YUB		12.85	-0.44	-0.69	10.55	-0.25	-0.39	GO
WZ4Z9H		12.10	-1.19	-1.86	10.40	-0.40	-0.63	TO
XAAX6D		13.10	-0.19	-0.30	10.55	-0.25	-0.39	XX
XAXA22	*	12.73	-0.56	-0.88	9.16	-1.65	-2.58	TO
XDG141		12.75	-0.54	-0.84	10.45	-0.35	-0.55	GO
XT54KL		13.10	-0.19	-0.30	10.65	-0.15	-0.24	AS
Y4CMW7	X	5.85	-7.44	-11.65	4.25	-6.55	-10.26	TO
YKVDT6		12.95	-0.34	-0.53	10.70	-0.10	-0.16	TO
YMS55X		13.05	-0.24	-0.37	11.00	0.20	0.31	TO
YVMT3E		14.10	0.81	1.27	11.00	0.20	0.31	TO
ZB9JN2		13.05	-0.24	-0.37	11.05	0.25	0.39	TO
ZJQNL5		12.97	-0.32	-0.51	10.94	0.14	0.22	TO

Plastics Interlaboratory Testing Program
Analysis 750
Flow Rates of Thermoplastics (190 or 230C/2.16 kg) - G/10 mins

Summary Statistics

Grand Means				
	13.289	grams/10 mins	10.801	grams/10 mins
Stnd Dev Btwn Labs				
	0.638	grams/10 mins	0.639	grams/10 mins

Statistics based on 114 of 122 reporting participants

Sample X49: PP **& Sample X50:** PP

Comments on assigned Data Flags for Test #750

2445LL (X) - High data for all samples.

6H4HTX (X) - Inconsistent in testing between samples and inconsistent in testing within Sample X50. Low data for Sample X50.

FQ4STG (X) - Inconsistent in testing between samples, data for Sample X49 are high.

GXBXW2 (X) - Low data for all samples.

R3ET8Y (X) - Low data for all samples. Possible systematic error.

RNB5AG (X) - Inconsistent in testing between samples, data for Sample X49 are high.

SNXW9A (X) - Low data for all samples.

Y4CMW7 (X) - Low data for all samples.

Instrument Code List as Reported by the Labs

(AS) - ATS

(AT) - Atlas

(CE) - Ceast

(CS) - CSI

(DY) - Dynisco

(GO) - Gottfert

(HA) - Haake

(KA) - Kayeness

(QT) - Qualitest

(TO) - Tinius Olsen

(TY) - Toyoseiki Seisakusho

(WZ) - Zwick

(XA) - Special In-House Instrument

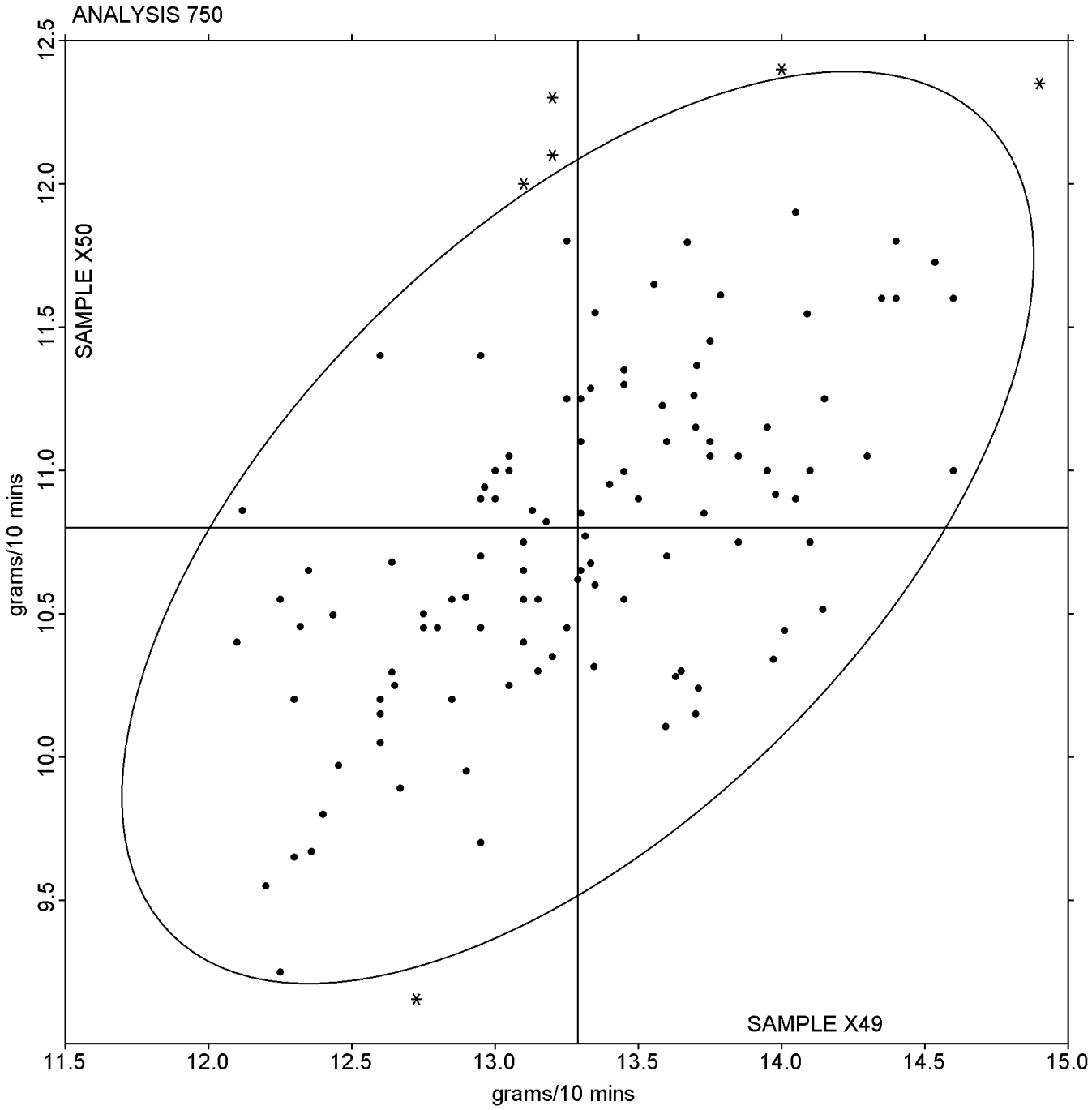
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 750

Flow Rates of Thermoplastics (190 or 230C/2.16 kg) - G/10 mins

Grand Mean Sample X49: 13.289 grams/10 mins **Grand Mean Sample X50:** 10.801 grams/10 mins



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 718

Specific Gravity - sp gr 23/23 C

WebCode	Data Flag	Sample T49 Lab Mean	Sample T49 Diff from Grand Mean	Sample T49 CPV	Sample T50 Lab Mean	Sample T50 Diff from Grand Mean	Sample T50 CPV	Instr Code
1FYEXN		1.04787	0.00140	0.79	1.04370	0.00099	0.53	XX
1KFQW8		1.04307	-0.00340	-1.91	1.03953	-0.00317	-1.68	XX
398CEU		1.04737	0.00090	0.50	1.04343	0.00073	0.39	XX
3GC3J1		1.04847	0.00200	1.12	1.04537	0.00266	1.41	XX
3SZJJX		1.04807	0.00160	0.90	1.04230	-0.00041	-0.21	XX
53UW13		1.04740	0.00093	0.52	1.04390	0.00119	0.63	XX
53Y8RK		1.04690	0.00043	0.24	1.04280	0.00009	0.05	XX
56YCKS		1.04777	0.00130	0.73	1.04413	0.00143	0.76	XX
5KHE5H		1.04640	-0.00007	-0.04	1.04353	0.00083	0.44	XX
66THB2		1.04277	-0.00370	-2.08	1.03860	-0.00411	-2.17	XX
6EHTHZ		1.04613	-0.00034	-0.19	1.04207	-0.00064	-0.34	XX
6YWJU3	*	1.04707	0.00060	0.34	1.04060	-0.00211	-1.11	XX
7D6UWX		1.04503	-0.00144	-0.81	1.04120	-0.00151	-0.80	XX
7FF9FF		1.04847	0.00200	1.12	1.04457	0.00186	0.98	XX
7LRNP8		1.04763	0.00116	0.65	1.04450	0.00179	0.95	XX
816JNP		1.04390	-0.00257	-1.44	1.04043	-0.00227	-1.20	XX
8228TK		1.04630	-0.00017	-0.09	1.04143	-0.00127	-0.67	XX
8CSF8L		1.04813	0.00166	0.94	1.04447	0.00176	0.93	XX
8KUABF		1.04567	-0.00080	-0.45	1.04227	-0.00044	-0.23	XX
8VNLGT		1.04790	0.00143	0.80	1.04490	0.00219	1.16	XX
982Q4S		1.04300	-0.00347	-1.95	1.04067	-0.00204	-1.08	XX
9K2CDR		1.04500	-0.00147	-0.83	1.04167	-0.00104	-0.55	XX
9W3CAJ		1.04650	0.00003	0.02	1.04387	0.00116	0.61	XX
A1P9VC		1.04800	0.00153	0.86	1.04417	0.00146	0.77	XX
A59VCC		1.04830	0.00183	1.03	1.04427	0.00156	0.83	XX
ASPUT2		1.04700	0.00053	0.30	1.04267	-0.00004	-0.02	XX
B33UXF		1.04677	0.00030	0.17	1.04307	0.00036	0.19	XX
BTQC4N		1.04813	0.00166	0.94	1.04443	0.00173	0.91	XX
C5FXYC		1.04647	0.00000	0.00	1.04453	0.00183	0.97	XX
C5R21Y		1.04763	0.00116	0.65	1.04417	0.00146	0.77	XX
C81BRX		1.04847	0.00200	1.12	1.04510	0.00239	1.27	XX
CFBPB7		1.04480	-0.00167	-0.94	1.04140	-0.00131	-0.69	XX

Plastics Interlaboratory Testing Program

Analysis 718

Specific Gravity - sp gr 23/23 C

WebCode	Data Flag	Sample T49 Lab Mean	Sample T49 Diff from Grand Mean	Sample T49 CPV	Sample T50 Lab Mean	Sample T50 Diff from Grand Mean	Sample T50 CPV	Instr Code
CKQPMN		1.04733	0.00086	0.49	1.04367	0.00096	0.51	XX
CMRXB6		1.04590	-0.00057	-0.32	1.04143	-0.00127	-0.67	XX
CNSSCT	*	1.05017	0.00370	2.08	1.04407	0.00136	0.72	XX
CTXHNJ	X	1.04693	0.00046	0.26	1.04687	0.00416	2.20	XX
CW9338		1.04700	0.00053	0.30	1.04430	0.00159	0.84	XX
DAHSH8		1.04733	0.00086	0.49	1.04503	0.00233	1.23	XX
DGV966	X	1.04907	0.00260	1.46	1.04133	-0.00137	-0.73	XX
DPYHTN		1.04470	-0.00177	-0.99	1.04090	-0.00181	-0.96	XX
DXRPU2	X	1.04410	-0.00237	-1.33	1.04383	0.00113	0.60	XX
ESDHGX		1.04443	-0.00204	-1.14	1.04003	-0.00267	-1.41	XX
F1559W		1.04660	0.00013	0.07	1.04193	-0.00077	-0.41	XX
FA26CZ		1.04540	-0.00107	-0.60	1.04207	-0.00064	-0.34	XX
FDFHVK	X	1.03843	-0.00804	-4.51	1.03090	-0.01181	-6.25	XX
FMA7BC		1.04470	-0.00177	-0.99	1.04057	-0.00214	-1.13	XX
FSMY1P		1.04387	-0.00260	-1.46	1.03957	-0.00314	-1.66	XX
FU27NU		1.04680	0.00033	0.19	1.04371	0.00101	0.53	XX
G53D8X		1.04653	0.00006	0.04	1.04110	-0.00161	-0.85	XX
G75ZHB	*	1.04163	-0.00484	-2.72	1.03810	-0.00461	-2.44	XX
GE66JN		1.04897	0.00250	1.40	1.04510	0.00239	1.27	XX
GKEVC9		1.04700	0.00053	0.30	1.04333	0.00063	0.33	XX
HB33FM		1.04620	-0.00027	-0.15	1.04423	0.00153	0.81	XX
HWQNEJ		1.04620	-0.00027	-0.15	1.04290	0.00019	0.10	XX
J2KVNL		1.04680	0.00033	0.19	1.04273	0.00003	0.01	XX
J3G5WV		1.04720	0.00073	0.41	1.04353	0.00083	0.44	XX
JGSRSW		1.04707	0.00060	0.34	1.04293	0.00023	0.12	XX
JHH7R5		1.04735	0.00088	0.50	1.04344	0.00074	0.39	XX
JJCB6Q		1.04827	0.00180	1.01	1.04523	0.00253	1.34	XX
JYLCUZ		1.04927	0.00280	1.57	1.04557	0.00286	1.51	XX
K17CEK	X	1.03917	-0.00730	-4.10	1.03617	-0.00654	-3.46	XX
K1PPTJ		1.04567	-0.00080	-0.45	1.04040	-0.00231	-1.22	XX
KJQTUA		1.04747	0.00100	0.56	1.04327	0.00056	0.30	XX
KQDMRQ		1.04847	0.00200	1.12	1.04460	0.00189	1.00	XX

Plastics Interlaboratory Testing Program

Analysis 718

Specific Gravity - sp gr 23/23 C

WebCode	Data Flag	Sample T49 Lab Mean	Sample T49 Diff from Grand Mean	Sample T49 CPV	Sample T50 Lab Mean	Sample T50 Diff from Grand Mean	Sample T50 CPV	Instr Code
ME9MLG	X	1.06080	0.01433	8.05	1.04557	0.00286	1.51	XX
MFGCMZ		1.04637	-0.00010	-0.06	1.04387	0.00116	0.61	XX
MKV3SG	X	1.03427	-0.01220	-6.86	1.16697	0.12426	65.76	XX
MMLQDW		1.04507	-0.00140	-0.79	1.04187	-0.00084	-0.44	XX
MTG8JY	*	1.04983	0.00336	1.89	1.04760	0.00489	2.59	XX
NH4U8W		1.04900	0.00253	1.42	1.04520	0.00249	1.32	XX
NSQXFZ		1.04630	-0.00017	-0.09	1.04303	0.00033	0.17	XX
PD25BE		1.04500	-0.00147	-0.83	1.04200	-0.00071	-0.37	XX
PK1DCS		1.04897	0.00250	1.40	1.04553	0.00283	1.50	XX
PPGUWH		1.04447	-0.00200	-1.12	1.04127	-0.00144	-0.76	XX
PQ2QX4		1.04800	0.00153	0.86	1.04333	0.00063	0.33	XX
QAHSK1	*	1.04593	-0.00054	-0.30	1.03960	-0.00311	-1.64	XX
QAXS97	X	1.04227	-0.00420	-2.36	1.04253	-0.00017	-0.09	XX
QXS6W3		1.04457	-0.00190	-1.07	1.04027	-0.00244	-1.29	XX
R5SV5P		1.04907	0.00260	1.46	1.04473	0.00203	1.07	XX
RHJYVE		1.04597	-0.00050	-0.28	1.04253	-0.00017	-0.09	XX
RP9DP9	*	1.04333	-0.00314	-1.76	1.04233	-0.00037	-0.20	XX
RSFKLB		1.04503	-0.00144	-0.81	1.04297	0.00026	0.14	XX
S5N4XE		1.04867	0.00220	1.24	1.04323	0.00053	0.28	XX
S7Q3Z9		1.04620	-0.00027	-0.15	1.04223	-0.00047	-0.25	XX
SCHZJT		1.04677	0.00030	0.17	1.04277	0.00006	0.03	XX
TDUYBG		1.04760	0.00113	0.64	1.04380	0.00109	0.58	XX
TVRS47		1.04493	-0.00154	-0.86	1.04353	0.00083	0.44	XX
UVRN36	X	1.03820	-0.00827	-4.65	1.03820	-0.00451	-2.38	XX
V4BB9F		1.04567	-0.00080	-0.45	1.04077	-0.00194	-1.03	XX
V4X8LL		1.04407	-0.00240	-1.35	1.03870	-0.00401	-2.12	XX
VD4K2U		1.04633	-0.00014	-0.08	1.04083	-0.00187	-0.99	XX
VRCX4A		1.04433	-0.00214	-1.20	1.04167	-0.00104	-0.55	XX
VWHH6L	*	1.04393	-0.00254	-1.42	1.03830	-0.00441	-2.33	XX
XACNDS		1.04590	-0.00057	-0.32	1.04390	0.00119	0.63	XX
XCT2SQ		1.04560	-0.00087	-0.49	1.04177	-0.00094	-0.50	XX

Plastics Interlaboratory Testing Program

Analysis 718

Specific Gravity - sp gr 23/23 C

WebCode	Data Flag	Sample T49 Lab Mean	Sample T49 Diff from Grand Mean	Sample T49 CPV	Sample T50 Lab Mean	Sample T50 Diff from Grand Mean	Sample T50 CPV	Instr Code
XGLD9W		1.04827	0.00180	1.01	1.04513	0.00243	1.28	XX
XJ54VY		1.04800	0.00153	0.86	1.04367	0.00096	0.51	XX
XLZ1ZS	*	1.04207	-0.00440	-2.47	1.03913	-0.00357	-1.89	XX
XM4SL3		1.04803	0.00156	0.88	1.04330	0.00059	0.31	XX
Y5E22S		1.04833	0.00186	1.05	1.04367	0.00096	0.51	XX
Y724TU		1.04797	0.00150	0.84	1.04413	0.00143	0.76	XX
YGYQG5		1.04747	0.00100	0.56	1.04403	0.00133	0.70	XX
YS5YCK		1.04647	0.00000	0.00	1.04233	-0.00037	-0.20	XX
YTYYGA		1.04473	-0.00174	-0.98	1.04253	-0.00017	-0.09	XX
Z1CZH6		1.04653	0.00006	0.04	1.04060	-0.00211	-1.11	XX
Z472RW		1.04573	-0.00074	-0.41	1.04240	-0.00031	-0.16	XX
ZMQPQT		1.04273	-0.00374	-2.10	1.03910	-0.00361	-1.91	XX

Summary Statistics

Grand Means

1.046469 sp gr 23/23 C — 1.042706 sp gr 23/23 C

Stnd Dev Btwn Labs

0.001780 sp gr 23/23 C — 0.001890 sp gr 23/23 C

Statistics based on 98 of 107 reporting participants

Sample T49: ABS **& Sample T50:** ABS

Comments on assigned Data Flags for Test #718

CTXHNJ (X) - Inconsistent in testing between samples.

DGV966 (X) - Inconsistent in testing between samples and inconsistent in testing within Sample T49.

DXRPU2 (X) - Inconsistent in testing between samples.

FDFHVK (X) - Low data for all samples.

K17CEK (X) - Low data for all samples. Possible systematic error.

ME9MLG (X) - Inconsistent in testing between samples and inconsistent in testing within both samples. Data for T49 are high.

MKV3SG (X) - Low data for Sample T49. Extreme data for Sample T50.

QAXS97 (X) - Inconsistent in testing between samples.

UVRN36 (X) - Inconsistent in testing between samples, data for Sample T49 are low.

Instrument Code List as Reported by the Labs

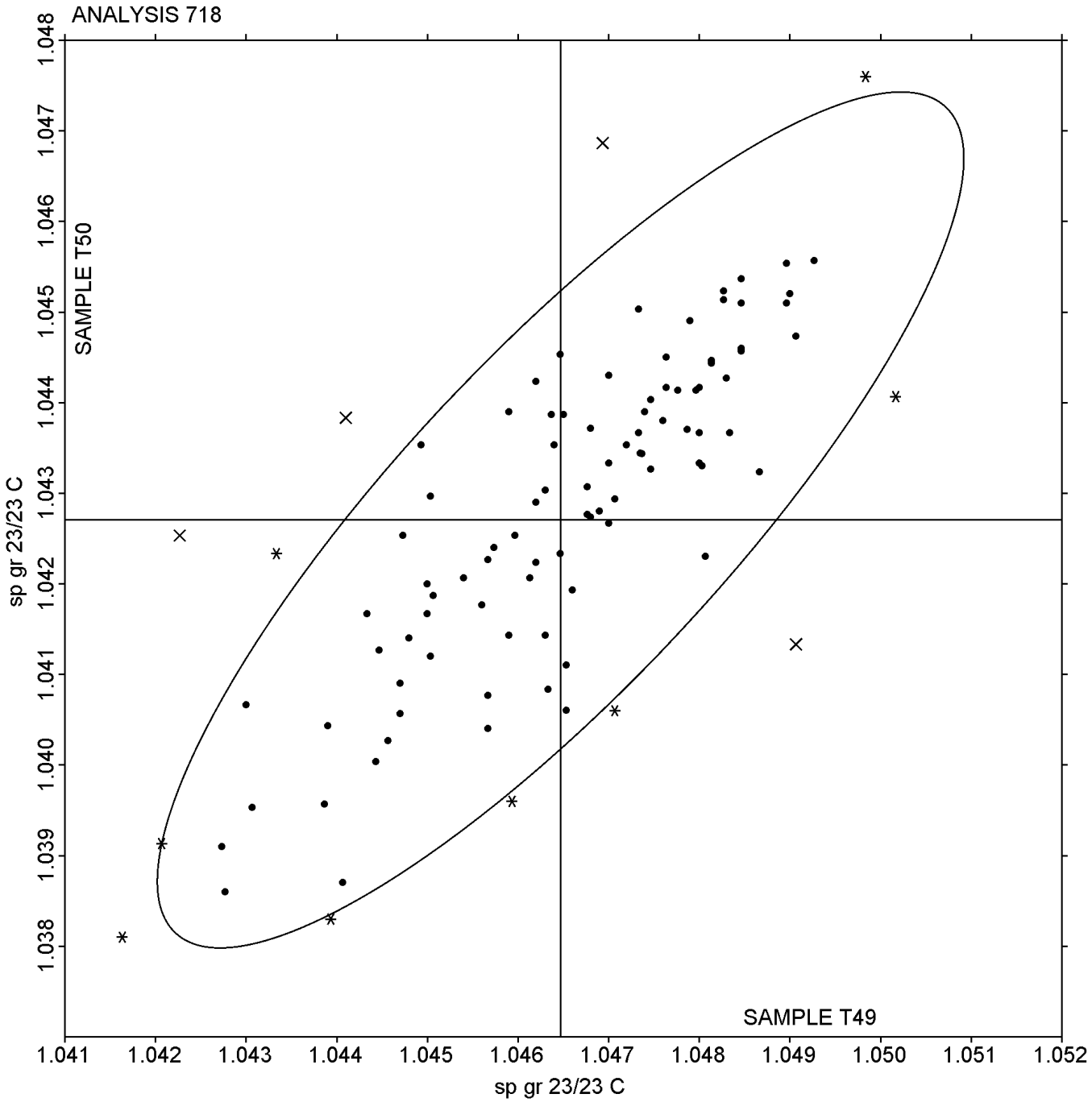
(XX) - Instrument Codes not used by CTS at this time

Plastics Interlaboratory Testing Program

Analysis 718

Specific Gravity - sp gr 23/23 C

Grand Mean Sample T49: 1.0465 sp gr 23/23 C **Grand Mean Sample T50:** 1.0427 sp gr 23/23 C



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 757

Ash Content in Thermoplastics - Percent

WebCode	Data Flag	Sample L49 Lab Mean	Sample L49 Diff from Grand Mean	Sample L49 CPV	Sample L50 Lab Mean	Sample L50 Diff from Grand Mean	Sample L50 CPV	Instr Code
14LRME	X	30.810	-0.572	-2.60	32.895	-6.894	-50.91	XX
21Q9B1		31.410	0.028	0.13	39.895	0.106	0.78	XX
23CWV5	X	31.235	-0.147	-0.67	39.200	-0.589	-4.35	XX
2XMNBH		31.640	0.258	1.18	39.695	-0.094	-0.69	XX
3Z1PJU		31.080	-0.302	-1.37	39.810	0.021	0.15	XX
4RP7WM		31.505	0.123	0.56	39.600	-0.189	-1.40	XX
5V7MBL		31.230	-0.152	-0.69	39.710	-0.079	-0.58	XX
64FZWW		31.660	0.278	1.27	39.755	-0.034	-0.25	XX
6MWQZX		31.085	-0.297	-1.35	39.750	-0.039	-0.29	XX
7C8ZAF		31.415	0.033	0.15	39.935	0.146	1.08	XX
7U6ZSM		31.340	-0.042	-0.19	39.950	0.161	1.19	XX
8XND7V		31.035	-0.347	-1.58	39.875	0.086	0.63	XX
9GN5DM		31.065	-0.317	-1.44	39.675	-0.114	-0.84	XX
9K3U9P		31.245	-0.137	-0.62	40.005	0.216	1.59	XX
9T2N1P		30.940	-0.442	-2.01	39.925	0.136	1.00	XX
9TVXTX		31.500	0.118	0.54	39.805	0.016	0.12	XX
AZA84P		31.210	-0.172	-0.78	39.690	-0.099	-0.73	XX
C87ZB5		31.470	0.088	0.40	39.975	0.186	1.37	XX
CTLTSE		31.050	-0.332	-1.51	39.900	0.111	0.82	XX
DD9JH9		31.420	0.038	0.17	39.695	-0.094	-0.69	XX
DH5SZW		31.220	-0.162	-0.74	39.830	0.041	0.30	XX
DR8LPM		31.495	0.113	0.52	39.790	0.001	0.01	XX
EUDB4A	*	31.945	0.563	2.57	39.680	-0.109	-0.81	XX
G2USEM		31.680	0.298	1.36	39.690	-0.099	-0.73	XX
G4CYA8		31.425	0.043	0.20	39.935	0.146	1.08	XX
G6ZTR5		30.995	-0.387	-1.76	39.985	0.196	1.45	XX
GKMY5X		31.385	0.003	0.02	39.815	0.026	0.19	XX
H45EKF	X	31.295	-0.087	-0.39	31.295	-8.494	-62.72	XX
HABKJG		31.465	0.083	0.38	39.935	0.146	1.08	XX
HG79KJ		31.300	-0.082	-0.37	39.650	-0.139	-1.03	XX
HL9LTV		31.195	-0.187	-0.85	39.640	-0.149	-1.10	XX
HUW264		31.415	0.033	0.15	39.980	0.191	1.41	XX

Plastics Interlaboratory Testing Program

Analysis 757

Ash Content in Thermoplastics - Percent

WebCode	Data Flag	Sample L49 Lab Mean	Sample L49 Diff from Grand Mean	Sample L49 CPV	Sample L50 Lab Mean	Sample L50 Diff from Grand Mean	Sample L50 CPV	Instr Code
J5CNZH	*	31.845	0.463	2.11	39.525	-0.264	-1.95	XX
JED25R		31.090	-0.292	-1.33	39.840	0.051	0.38	XX
JGNYN7	X	30.950	-0.432	-1.97	39.250	-0.539	-3.98	XX
KVGRC5		31.505	0.123	0.56	39.755	-0.034	-0.25	XX
L53HTL		31.580	0.198	0.90	39.955	0.166	1.23	XX
L8GB7S		31.180	-0.202	-0.92	39.660	-0.129	-0.95	XX
MP6QDV		31.580	0.198	0.90	39.895	0.106	0.78	XX
NLDNG5		31.260	-0.122	-0.55	39.865	0.076	0.56	XX
P8CQJZ		31.373	-0.009	-0.04	39.885	0.096	0.71	XX
Q6CPNP		31.470	0.088	0.40	39.935	0.146	1.08	XX
QHEZFX	*	31.720	0.338	1.54	39.435	-0.354	-2.61	XX
QJ7VYV		31.435	0.053	0.24	39.830	0.041	0.30	XX
QPGHZQ		31.735	0.353	1.61	39.775	-0.014	-0.10	XX
RLWSH5		31.550	0.168	0.77	39.650	-0.139	-1.03	XX
SDXN5P		31.387	0.005	0.02	39.572	-0.217	-1.60	XX
SGEX53		31.200	-0.182	-0.83	39.705	-0.084	-0.62	XX
SJ92WB		31.465	0.083	0.38	39.700	-0.089	-0.66	XX
SMLFFR		31.200	-0.182	-0.83	39.950	0.161	1.19	XX
SRVE71		31.270	-0.112	-0.51	39.650	-0.139	-1.03	XX
T1PKC7		31.425	0.043	0.20	39.825	0.036	0.27	XX
T7ZQE3		31.465	0.083	0.38	39.540	-0.249	-1.84	XX
TVDKWS		31.500	0.118	0.54	39.700	-0.089	-0.66	XX
V9DZGF		31.405	0.023	0.11	39.750	-0.039	-0.29	XX
W98Z1J	X	30.855	-0.527	-2.40	39.515	-0.274	-2.02	XX
XTZD8Q		31.355	-0.027	-0.12	39.800	0.011	0.08	XX
Y7ZXB1		31.265	-0.117	-0.53	39.985	0.196	1.45	XX
YGRDD5		31.675	0.293	1.34	39.855	0.066	0.49	XX
YNGS6Z		31.529	0.148	0.67	39.903	0.114	0.84	XX
ZV77FJ		31.090	-0.292	-1.33	39.670	-0.119	-0.88	XX

Plastics Interlaboratory Testing Program
Analysis 757
Ash Content in Thermoplastics - Percent

Summary Statistics

Grand Means		
	31.3817 Percent	39.7890 Percent
Stnd Dev Btwn Labs		
	0.2196 Percent	0.1354 Percent

Statistics based on 56 of 61 reporting participants

Sample L49: PP **& Sample L50:** PP

Comments on assigned Data Flags for Test #757

14LRME (X) - Low data for Sample L50.

23CWV5 (X) - Low data for Sample L50.

H45EKF (X) - Low data for Sample L50.

JGNYN7 (X) - Low data for Sample L50.

W98Z1J (X) - Inconsistent in testing between samples.

Instrument Code List as Reported by the Labs

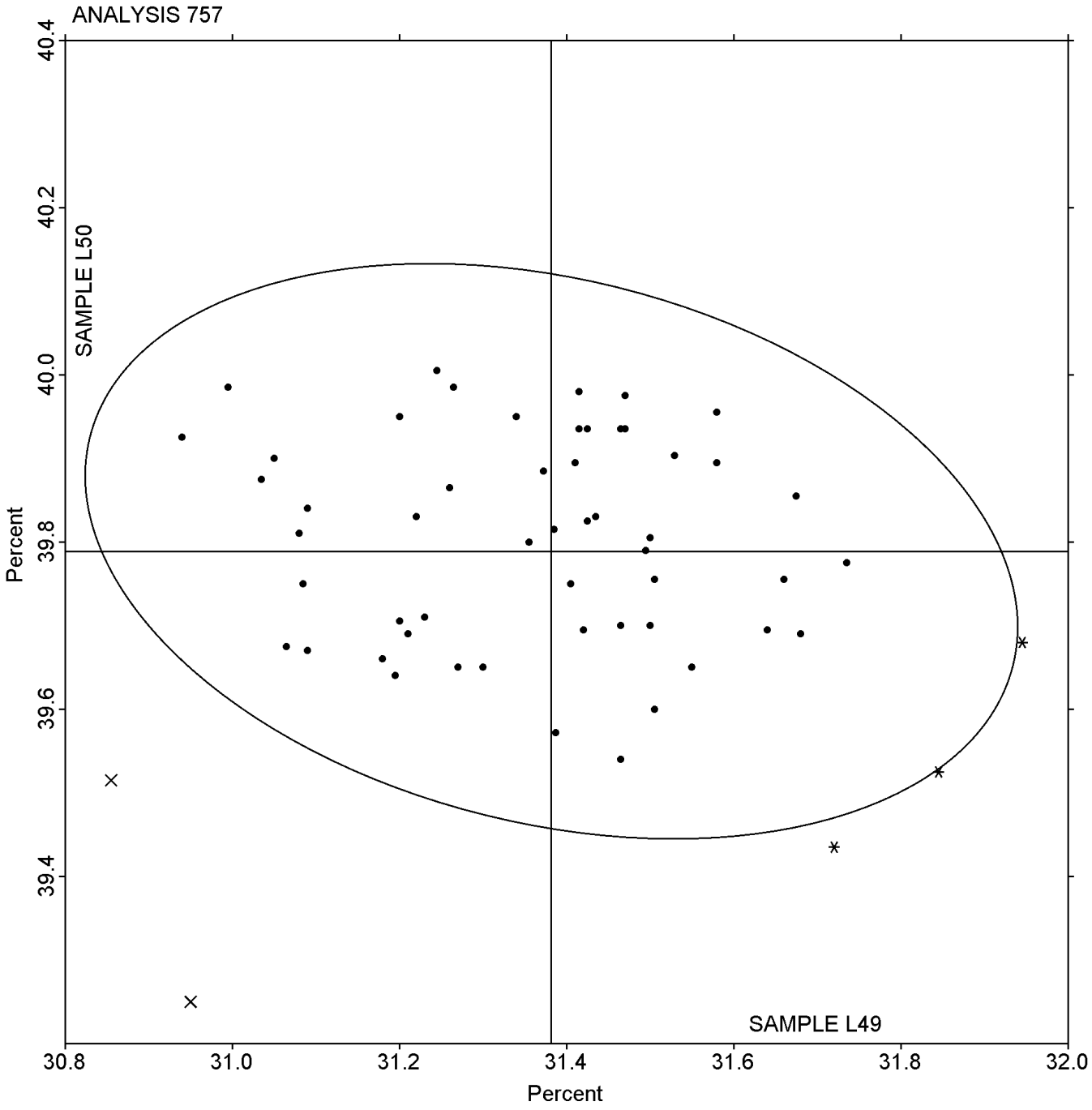
(XX) - Instrument Codes not used by CTS at this time

Plastics Interlaboratory Testing Program

Analysis 757

Ash Content in Thermoplastics - Percent

Grand Mean Sample L49: 31.382 Percent **Grand Mean Sample L50:** 39.789 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 770

Tensile Stress at Yield, Film Samples - psi

WebCode	Data Flag	Sample B49 Lab Mean	Sample B49 Diff from Grand Mean	Sample B49 CPV	Sample B50 Lab Mean	Sample B50 Diff from Grand Mean	Sample B50 CPV	Instr Code
661X6S		1,753	-108	-0.67	2,412	378	0.82	XX
6DAVDF		1,547	-315	-1.95	2,468	434	0.94	IN
77EN42		2,014	152	0.94	1,817	-217	-0.47	MT
81WKS4		1,816	-46	-0.28	1,458	-576	-1.25	UC
9PCKLS		1,939	77	0.48	1,654	-380	-0.82	IN
AFLUR3	M	No data reported for this sample			2,525	491	1.07	IN
APXBCM		1,725	-136	-0.85	1,590	-444	-0.96	IN
BDLUSC	M	No data reported for this sample			2,558	524	1.14	WZ
BGAFTA	X	4,681	2,819	17.48	2,676	642	1.40	TH
BSFSCQ		1,630	-232	-1.44	2,426	392	0.85	IM
C1ZNHG		1,857	-4	-0.03	1,639	-395	-0.86	IN
D9YLN1		1,968	106	0.66	2,647	613	1.33	TH
J829CV		1,943	81	0.50	1,717	-317	-0.69	UC
KG11XC		1,994	132	0.82	1,687	-347	-0.75	IN
L91BYW		1,914	52	0.32	2,678	644	1.40	CH
MEX8EF		2,057	196	1.21	1,778	-256	-0.56	IN
PBAPT1		2,159	297	1.84	2,736	702	1.52	IN
PXTCJY		1,758	-104	-0.65	1,510	-524	-1.14	MT
QMU9U2	M	No data reported for this sample			2,541	507	1.10	IM
SCY1D1	X	4,392	2,530	15.69	2,442	408	0.89	IN
TEQGBX		1,878	16	0.10	2,449	415	0.90	OR
WQ77KE	M	No data reported for this sample			2,671	637	1.38	IN
XNM83U		1,700	-162	-1.00	1,912	-122	-0.27	IR

Summary Statistics

Grand Means

1,861.9 psi — 2,034.0 psi

Stnd Dev Btwn Labs

161.3 psi — 460.5 psi

Statistics based on 17 of 23 reporting participants

Sample B49: LDPE **&** **Sample B50:** LDPE

Plastics Interlaboratory Testing Program
Analysis 770
Tensile Stress at Yield, Film Samples - psi

Notes for Analysis 770

3 labs did not find zero slope yield for Sample B49.
1 lab indicated using 0.2% offset yield for Sample B49.
1 lab indicated using 2% offset yield.

Comments on assigned Data Flags for Test #770

AFLUR3 (M) - Laboratory did not submit data for Sample B49.

BDLUSC (M) - Laboratory did not submit data for Sample B49.

BGAFTA (X) - High data for Sample B49.

QMU9U2 (M) - Laboratory did not submit data for Sample B49.

SCY1D1 (X) - High data for Sample B49.

WQ77KE (M) - Laboratory did not submit data for Sample B49.

Instrument Code List as Reported by the Labs

(CH) - ChemInstruments TT-1000

(IM) - Instru-Met Instruments

(IN) - Instron

(IR) - Instron with retrofit

(MT) - MTS/Sintech

(OR) - Orientec

(TH) - Thwing Albert

(UC) - United

(WZ) - Zwick

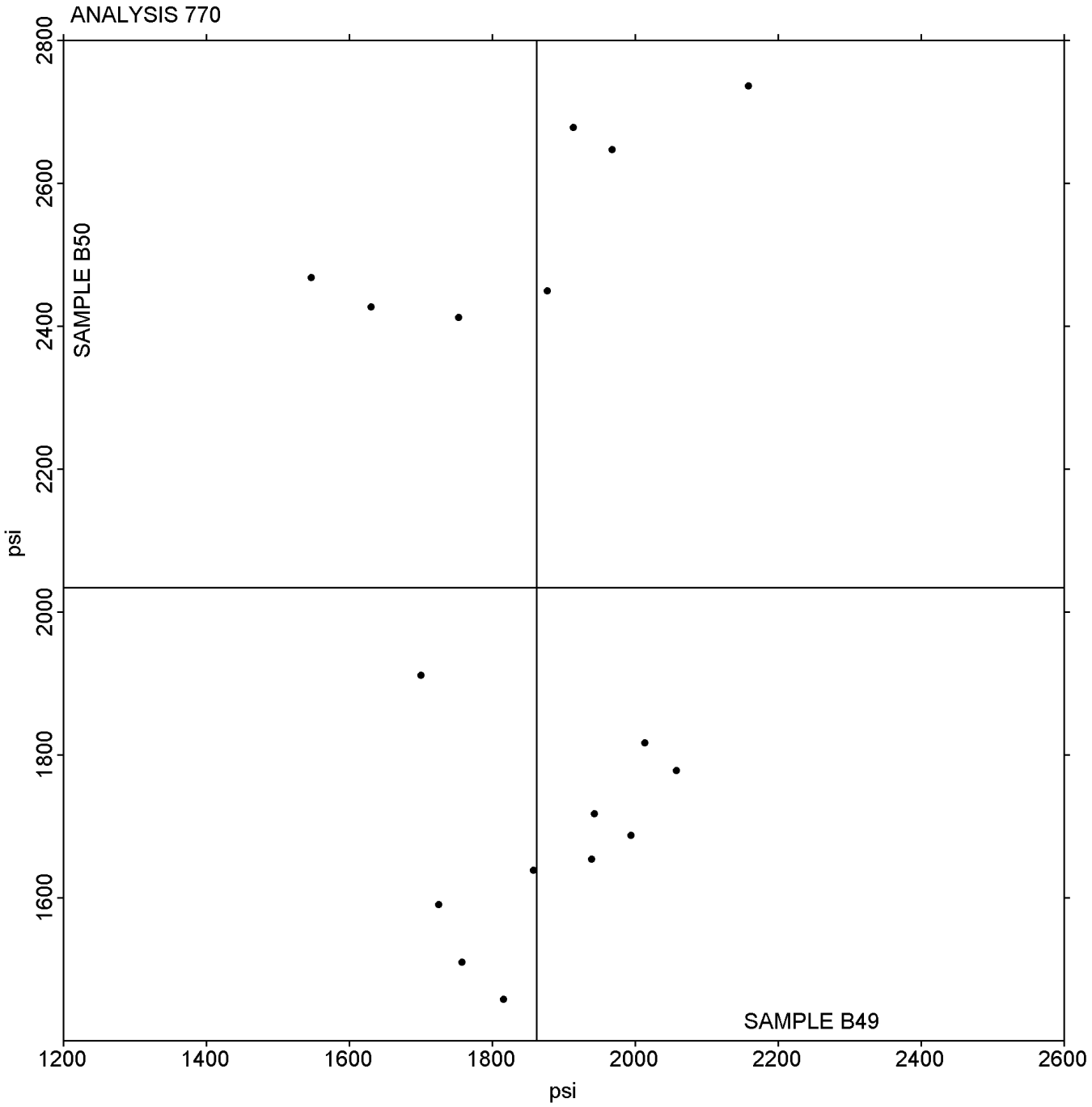
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 770

Tensile Stress at Yield, Film Samples - psi

Grand Mean Sample B49: 1,861.89 psi **Grand Mean Sample B50:** 2,033.97 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 771

Tensile Stress at Break, Film Samples - psi

WebCode	Data Flag	Sample B49 Lab Mean	Sample B49 Diff from Grand Mean	Sample B49 CPV	Sample B50 Lab Mean	Sample B50 Diff from Grand Mean	Sample B50 CPV	Instr Code
197V4J		4,863	523	1.64	4,980	797	1.16	IN
1LKWYJ		4,558	218	0.69	3,946	-238	-0.35	CH
247J77		4,332	-7	-0.02	4,251	67	0.10	TH
2TSJ1D	*	3,438	-902	-2.83	2,989	-1,195	-1.74	XX
2XUGQW		4,168	-172	-0.54	3,821	-362	-0.53	IN
4M4MG7		4,509	169	0.53	5,021	837	1.22	MT
6PNTRJ		4,235	-105	-0.33	4,516	332	0.48	IM
7RCTQL		4,682	343	1.08	4,954	770	1.12	HO
8NGTKD		4,485	145	0.46	4,006	-178	-0.26	IN
CD354R		4,205	-135	-0.42	4,228	45	0.06	IN
CZNT3G		4,539	199	0.63	4,856	672	0.98	IN
EDYBNF		4,228	-112	-0.35	4,661	478	0.70	IN
FDGTVL		4,661	321	1.01	3,352	-831	-1.21	SH
MFY392		4,151	-188	-0.59	4,255	71	0.10	WZ
N1YHLZ		4,136	-203	-0.64	4,539	356	0.52	MT
NKV1KD		4,322	-18	-0.06	3,913	-271	-0.40	IM
PMHU31		4,569	230	0.72	4,531	348	0.51	IN
QLTL9L		4,498	158	0.50	3,903	-280	-0.41	IN
SGLMFL		4,335	-5	-0.02	4,550	367	0.53	IN
U2FPDX		3,740	-600	-1.88	3,196	-987	-1.44	IR
U7KFLR		3,915	-424	-1.33	3,370	-814	-1.19	IN
U9C1CT		4,780	440	1.38	4,999	816	1.19	TH
XSKPHE	*	4,276	-64	-0.20	2,369	-1,815	-2.65	UC
YZK9QT		4,296	-44	-0.14	4,188	4	0.01	IN
Z9EGGT		4,236	-104	-0.33	4,556	372	0.54	OR
ZECTRD		4,674	334	1.05	4,825	641	0.94	UC

Plastics Interlaboratory Testing Program
Analysis 771
Tensile Stress at Break, Film Samples - psi

Summary Statistics

Grand Means	4,339.6 psi	4,183.7 psi
Stnd Dev Btwn Labs	318.3 psi	685.5 psi

Statistics based on 26 of 26 reporting participants

Sample B49: LDPE **&** **Sample B50:** LDPE

Instrument Code List as Reported by the Labs

(CH) - ChemInstruments TT-1000

(HO) - Hounsfield Instruments

(IM) - Instru-Met Instruments

(IN) - Instron

(IR) - Instron with retrofit

(MT) - MTS/Sintech

(OR) - Orientec

(SH) - Shimadzu

(TH) - Thwing Albert

(UC) - United

(WZ) - Zwick

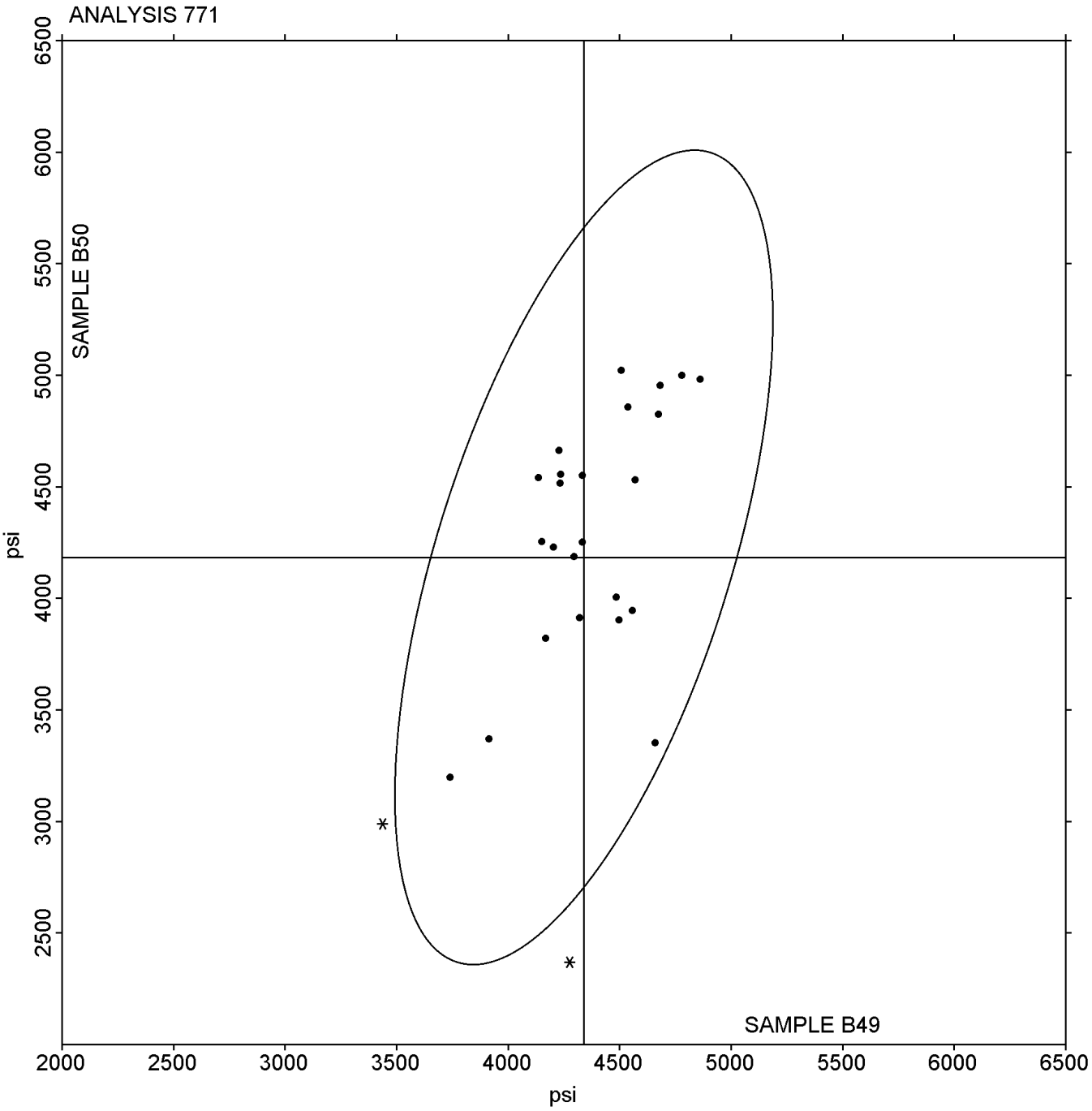
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 771

Tensile Stress at Break, Film Samples - psi

Grand Mean Sample B49: 4,339.55 psi **Grand Mean Sample B50:** 4,183.69 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 772

Percent Elongation at Yield, Films

WebCode	Data Flag	Sample B49 Lab Mean	Sample B49 Diff from Grand Mean	Sample B49 CPV	Sample B50 Lab Mean	Sample B50 Diff from Grand Mean	Sample B50 CPV	Instr Code
1HL5NQ		10.07	-1.15	-0.17	10.04	-29.32	-0.85	IN
1XC6CX		6.67	-4.55	-0.68	10.00	-29.36	-0.85	IN
2EXGQP	M	No data reported for this sample			109.21	69.85	2.03	IM
3KMP3Q		12.64	1.42	0.21	18.64	-20.72	-0.60	IR
4G1LFN	*	33.77	22.55	3.38	43.20	3.84	0.11	UC
55GK65		4.76	-6.46	-0.97	85.26	45.90	1.34	IN
5YBPF9		6.95	-4.27	-0.64	6.25	-33.11	-0.96	MT
8WZTP2		7.35	-3.88	-0.58	10.73	-28.63	-0.83	MT
BYSGP2	M	No data reported for this sample			71.76	32.40	0.94	IN
CLZVRK		9.27	-1.95	-0.29	9.76	-29.60	-0.86	IN
FR14W6		8.80	-2.42	-0.36	65.97	26.61	0.77	IM
M59CF1		17.51	6.29	0.94	18.19	-21.17	-0.62	IN
MKNHWD		11.36	0.14	0.02	98.83	59.47	1.73	TH
N1C1DM		8.66	-2.56	-0.38	65.71	26.35	0.77	XX
P2QHWW		10.21	-1.01	-0.15	80.04	40.68	1.18	IN
PX3ETF	M	No data reported for this sample			81.05	41.69	1.21	IN
RQSLBZ	M	No data reported for this sample			74.62	35.26	1.03	WZ
T17372		9.48	-1.74	-0.26	9.15	-30.21	-0.88	IN
UN8CLE	X	125.08	113.86	17.04	96.39	57.03	1.66	IN
V1692K		12.02	0.80	0.12	13.70	-25.66	-0.75	UC
ZL72JJ		10.03	-1.19	-0.18	84.23	44.87	1.31	CH

Summary Statistics

Grand Means

Sample B49	Sample B50
11.222 Percent	39.356 Percent

Stnd Dev Btwn Labs

Sample B49	Sample B50
6.680 Percent	34.343 Percent

Statistics based on 16 of 21 reporting participants

Sample B49: LDPE **& Sample B50:** LDPE

Notes for Analysis 772

3 labs did not find zero slope yield for Sample B49.
1 lab indicated using 0.2% offset yield for Sample B49.
1 lab indicated using 2% offset yield.

Plastics Interlaboratory Testing Program
Analysis 772
Percent Elongation at Yield, Films

Comments on assigned Data Flags for Test #772

2EXGQP (M) - Laboratory did not submit data for Sample B49.

BYSGP2 (M) - Laboratory did not submit data for Sample B49.

PX3ETF (M) - Laboratory did not submit data for Sample B49.

RQSLBZ (M) - Laboratory did not submit data for Sample B49.

UN8CLE (X) - Extreme data for Sample B49.

Instrument Code List as Reported by the Labs

(CH) - ChemInstruments TT-1000

(IM) - Instru-Met Instruments

(IN) - Instron

(IR) - Instron with retrofit

(MT) - MTS/Sintech

(TH) - Thwing Albert

(UC) - United

(WZ) - Zwick

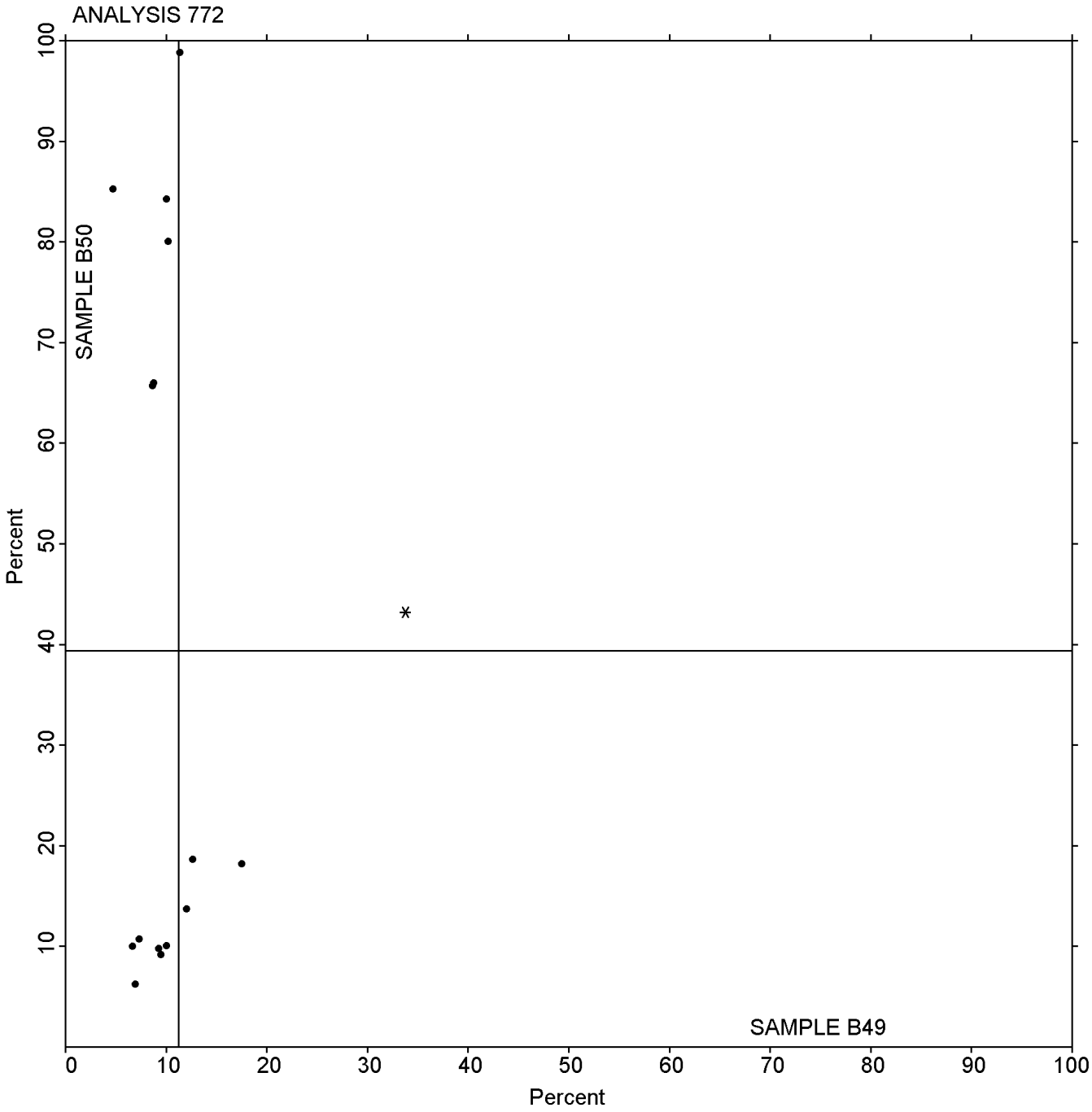
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 772

Percent Elongation at Yield, Films

Grand Mean Sample B49: 11.222 Percent **Grand Mean Sample B50:** 39.356 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 773

Percent Elongation at Break, Film Samples

WebCode	Data Flag	Sample B49 Lab Mean	Sample B49 Diff from Grand Mean	Sample B49 CPV	Sample B50 Lab Mean	Sample B50 Diff from Grand Mean	Sample B50 CPV	Instr Code
2J5K98	*	60.6	-58.6	-2.79	343.9	-241.3	-2.05	XX
4NHZ31		116.5	-2.7	-0.13	679.2	94.0	0.80	IN
78V5F3		116.9	-2.2	-0.11	545.3	-39.9	-0.34	CH
7HM6W4		118.2	-1.0	-0.05	457.1	-128.1	-1.09	HO
7MMNQE		124.1	4.9	0.23	653.0	67.7	0.58	IN
82LGWH		165.5	46.4	2.21	865.7	280.5	2.39	IM
8JS2R5		101.8	-17.3	-0.83	535.3	-49.9	-0.42	IN
B6TAR1		104.3	-14.8	-0.71	531.2	-54.0	-0.46	MT
B76CK7		116.5	-2.6	-0.13	546.8	-38.4	-0.33	TH
CT6R8R		124.0	4.9	0.23	605.1	19.9	0.17	IN
DS27HC		115.5	-3.6	-0.17	532.5	-52.7	-0.45	WZ
DYRXV1		123.5	4.4	0.21	599.5	14.3	0.12	IM
H2LB7W		144.7	25.6	1.22	651.1	65.9	0.56	UC
K49ZWQ		128.8	9.7	0.46	638.2	53.0	0.45	IN
KBSQST		109.1	-10.0	-0.48	520.8	-64.4	-0.55	MT
KHWJTG	X	135.3	16.2	0.77	384.6	-200.6	-1.71	IR
LN6WGC	X	178.2	59.1	2.82	355.3	-229.9	-1.96	UC
NSVRFD		95.1	-24.0	-1.15	440.3	-144.9	-1.23	SH
PLXTSG		106.6	-12.5	-0.60	436.5	-148.7	-1.27	IN
QN7JV9		124.8	5.7	0.27	696.3	111.1	0.95	IN
SSVWL6		118.3	-0.8	-0.04	579.8	-5.4	-0.05	IN
VGNXQ2		123.2	4.1	0.19	586.2	1.0	0.01	IN
XJ3PQ6		106.3	-12.8	-0.61	535.3	-49.9	-0.42	IN
XX9A7T		149.7	30.6	1.46	803.3	218.1	1.86	IN
Z558EH		146.4	27.3	1.30	677.8	92.6	0.79	TH

Plastics Interlaboratory Testing Program
Analysis 773
Percent Elongation at Break, Film Samples

Summary Statistics

Grand Means	119.15 Percent	585.23 Percent
Stnd Dev Btwn Labs	20.97 Percent	117.55 Percent

Statistics based on 23 of 25 reporting participants

Sample B49: LDPE **&** **Sample B50:** LDPE

Comments on assigned Data Flags for Test #773

KHWJTG (X) - Inconsistent in testing between samples.

LN6WGC (X) - High data for Sample B49. Variable data for all samples.

Instrument Code List as Reported by the Labs

(CH) - ChemInstruments TT-1000

(HO) - Hounsfield Instruments

(IM) - Instru-Met Instruments

(IN) - Instron

(IR) - Instron with retrofit

(MT) - MTS/Sintech

(SH) - Shimadzu

(TH) - Thwing Albert

(UC) - United

(WZ) - Zwick

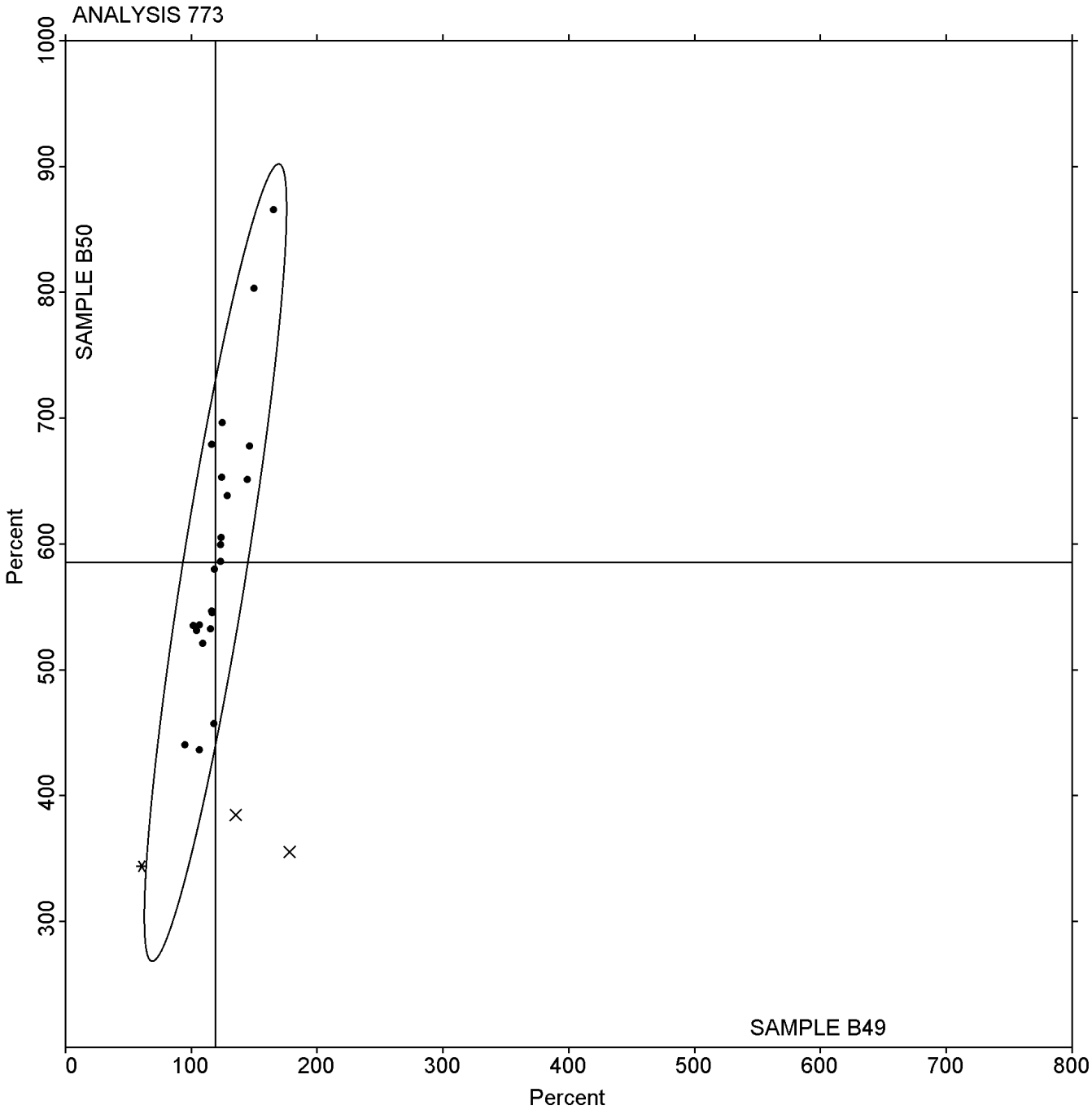
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 773

Percent Elongation at Break, Film Samples

Grand Mean Sample B49: 119.15 Percent **Grand Mean Sample B50:** 585.23 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 774

Thickness of Film Tensile Samples - mils

WebCode	Data Flag	Sample B49 Lab Mean	Sample B49 Diff from Grand Mean	Sample B49 CPV	Sample B50 Lab Mean	Sample B50 Diff from Grand Mean	Sample B50 CPV	Instr Code
1US68A		1.3060	-0.0059	-0.08	1.9490	0.0013	0.02	XX
2823D4		1.2770	-0.0349	-0.45	1.8880	-0.0597	-0.98	XX
2KUVY3		1.3100	-0.0019	-0.02	1.9260	-0.0217	-0.36	XX
42R27Y		1.3650	0.0531	0.69	2.0150	0.0673	1.10	XX
4BBTGW		1.4134	0.1015	1.32	2.0315	0.0838	1.37	XX
67K3U4		1.3080	-0.0039	-0.05	1.9290	-0.0187	-0.31	XX
6PN88K		1.4200	0.1081	1.40	1.9200	-0.0277	-0.45	XX
7YTETX		1.3050	-0.0069	-0.09	1.9750	0.0273	0.45	XX
876FDT		1.2640	-0.0479	-0.62	1.9220	-0.0257	-0.42	XX
8GPRB8		1.2300	-0.0819	-1.06	1.8700	-0.0777	-1.27	XX
9HZUR5		1.4512	0.1393	1.81	1.9878	0.0401	0.66	XX
A8NRGM		1.3000	-0.0119	-0.15	1.9500	0.0023	0.04	XX
CRVHQZ		1.3600	0.0481	0.62	2.0000	0.0523	0.86	XX
FWSEVZ		1.4010	0.0891	1.16	1.9990	0.0513	0.84	XX
G33R1P		1.2150	-0.0969	-1.26	1.8750	-0.0727	-1.19	XX
GJUDMS		1.3300	0.0181	0.24	2.0700	0.1223	2.00	XX
HLPPNT		1.2402	-0.0717	-0.93	1.8229	-0.1248	-2.05	XX
HZ5BMZ		1.2200	-0.0919	-1.19	1.8950	-0.0527	-0.86	XX
L4GZF3		1.2820	-0.0299	-0.39	1.9590	0.0113	0.19	XX
LDVPM5		1.3859	0.0740	0.96	1.9528	0.0051	0.08	XX
LKVACK		1.3950	0.0831	1.08	1.9050	-0.0427	-0.70	XX
NAMAX1		1.3550	0.0431	0.56	1.9850	0.0373	0.61	XX
RUN2E1		1.2890	-0.0229	-0.30	1.9400	-0.0077	-0.13	XX
SQBS5P		1.2900	-0.0219	-0.28	2.0000	0.0523	0.86	XX
VJXM2N		1.3425	0.0306	0.40	1.9921	0.0444	0.73	XX
W2MLU3		1.3050	-0.0069	-0.09	1.9750	0.0273	0.45	XX
WK5SWV		1.2940	-0.0179	-0.23	1.9940	0.0463	0.76	XX
XZF49W	*	1.0787	-0.2331	-3.03	1.8071	-0.1406	-2.30	XX

Plastics Interlaboratory Testing Program
Analysis 774
Thickness of Film Tensile Samples - mils

Summary Statistics

Grand Means				
	1.31189	mils	1.94769	mils
Stnd Dev Btwn Labs				
	0.07699	mils	0.06102	mils

Statistics based on 28 of 28 reporting participants

Sample B49: LDPE **&** **Sample B50:** LDPE

Instrument Code List as Reported by the Labs

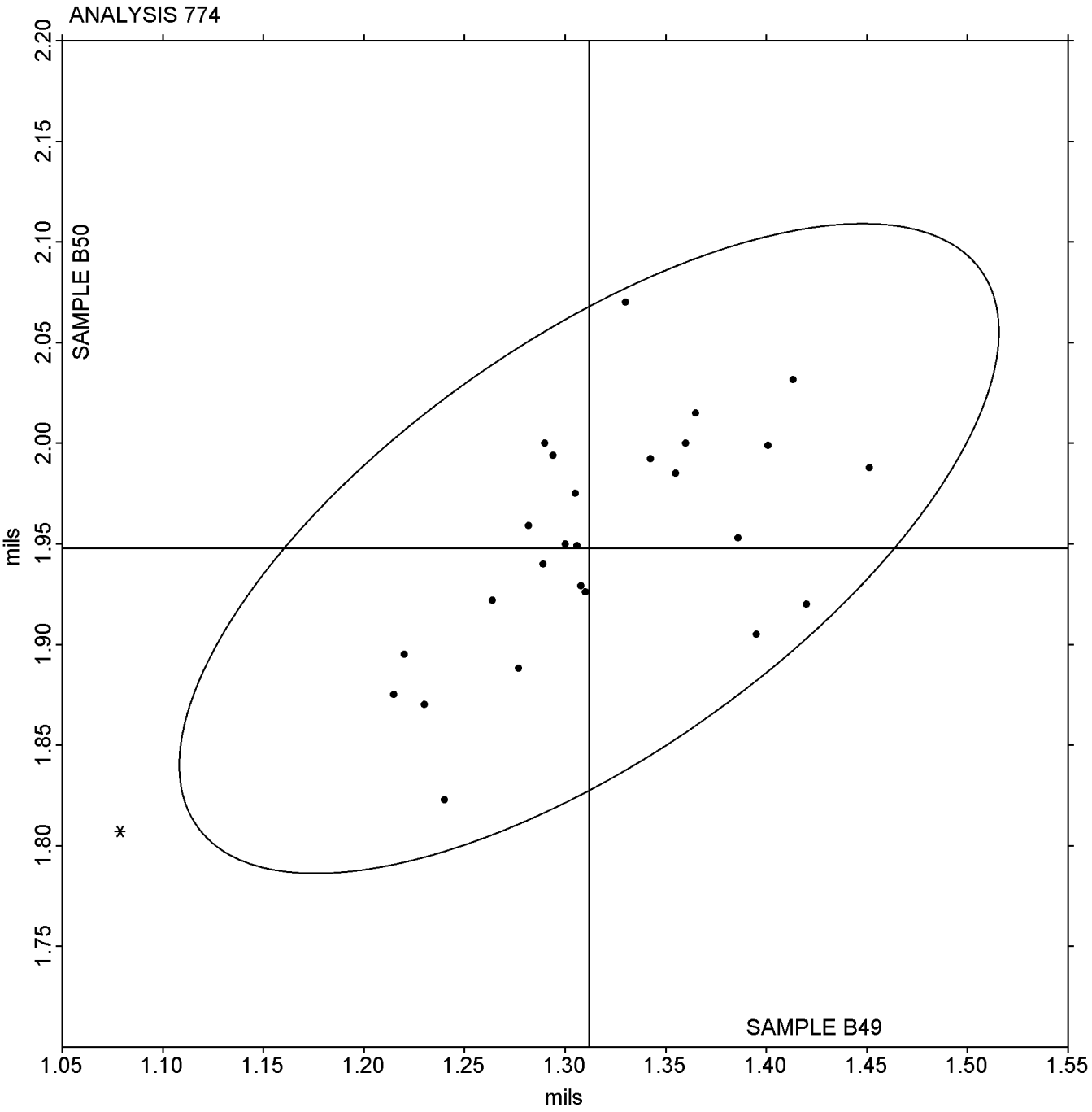
(XX) - Instrument Codes not used by CTS at this time

Plastics Interlaboratory Testing Program

Analysis 774

Thickness of Film Tensile Samples - mils

Grand Mean Sample B49: 1.3119 mils **Grand Mean Sample B50:** 1.9477 mils



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 780

Coefficient of Static Friction

WebCode	Data Flag	Sample P49 Lab Mean	Sample P49 Diff from Grand Mean	Sample P49 CPV	Sample P50 Lab Mean	Sample P50 Diff from Grand Mean	Sample P50 CPV	Instr Code
2PM7F5		0.1870	-0.0282	-0.92	0.1810	-0.0131	-0.39	KA
36YXVB		0.2216	0.0064	0.21	0.1604	-0.0337	-1.00	TN
52X1E5		0.2468	0.0316	1.03	0.2218	0.0277	0.82	TN
58ZM7J		0.2372	0.0220	0.72	0.1964	0.0023	0.07	TN
5G3TQK		0.1725	-0.0427	-1.40	0.1740	-0.0201	-0.60	IS
5LG2W2		0.2050	-0.0102	-0.33	0.2112	0.0171	0.51	TH
6WQQ5K		0.1928	-0.0224	-0.73	0.1592	-0.0349	-1.04	TH
96QEG6		0.1938	-0.0214	-0.70	0.2348	0.0407	1.21	UT
BCYYM4		0.1868	-0.0284	-0.93	0.1450	-0.0491	-1.46	XX
CA5KHF	X	0.0900	-0.1252	-4.09	0.1556	-0.0385	-1.14	IP
E29N7D		0.2188	0.0036	0.12	0.1748	-0.0193	-0.57	SA
EEU9Z5		0.2372	0.0220	0.72	0.2132	0.0191	0.57	TH
M7PL48		0.2518	0.0366	1.20	0.2540	0.0599	1.78	TH
S6CKWL		0.1826	-0.0326	-1.07	0.2066	0.0125	0.37	MS
T9WR7C		0.2358	0.0206	0.67	0.1978	0.0037	0.11	TH
XCZSXT		0.1930	-0.0222	-0.72	0.1408	-0.0533	-1.58	XX
ZHNQME		0.2800	0.0648	2.12	0.2340	0.0399	1.19	TL

Summary Statistics

Grand Means

0.21517 COF (Sample P49) 0.19406 COF (Sample P50)

Stnd Dev Btwn Labs

0.03058 COF (Sample P49) 0.03365 COF (Sample P50)

Statistics based on 16 of 17 reporting participants

Sample P49: LDPE **& Sample P50:** LDPE

Comments on assigned Data Flags for Test #780

CA5KHF (X) - Inconsistent in testing between samples and inconsistent in testing within Sample P50. Low data for Sample P49.

Plastics Interlaboratory Testing Program
Analysis 780
Coefficient of Static Friction

Instrument Code List as Reported by the Labs

(IP) - Instron 4400 Series

(IS) - Instron Model 5565

(KA) - Kayeness Inc.

(MS) - MTS Sintech

(SA) - Shimadzu Autograph AG 2000 A

(TH) - Thwing Albert Friction/Peel Tester Model 225-1

(TL) - TMI #32-90

(TN) - TMI #32-06

(UT) - United Testing Systems (model not specified)

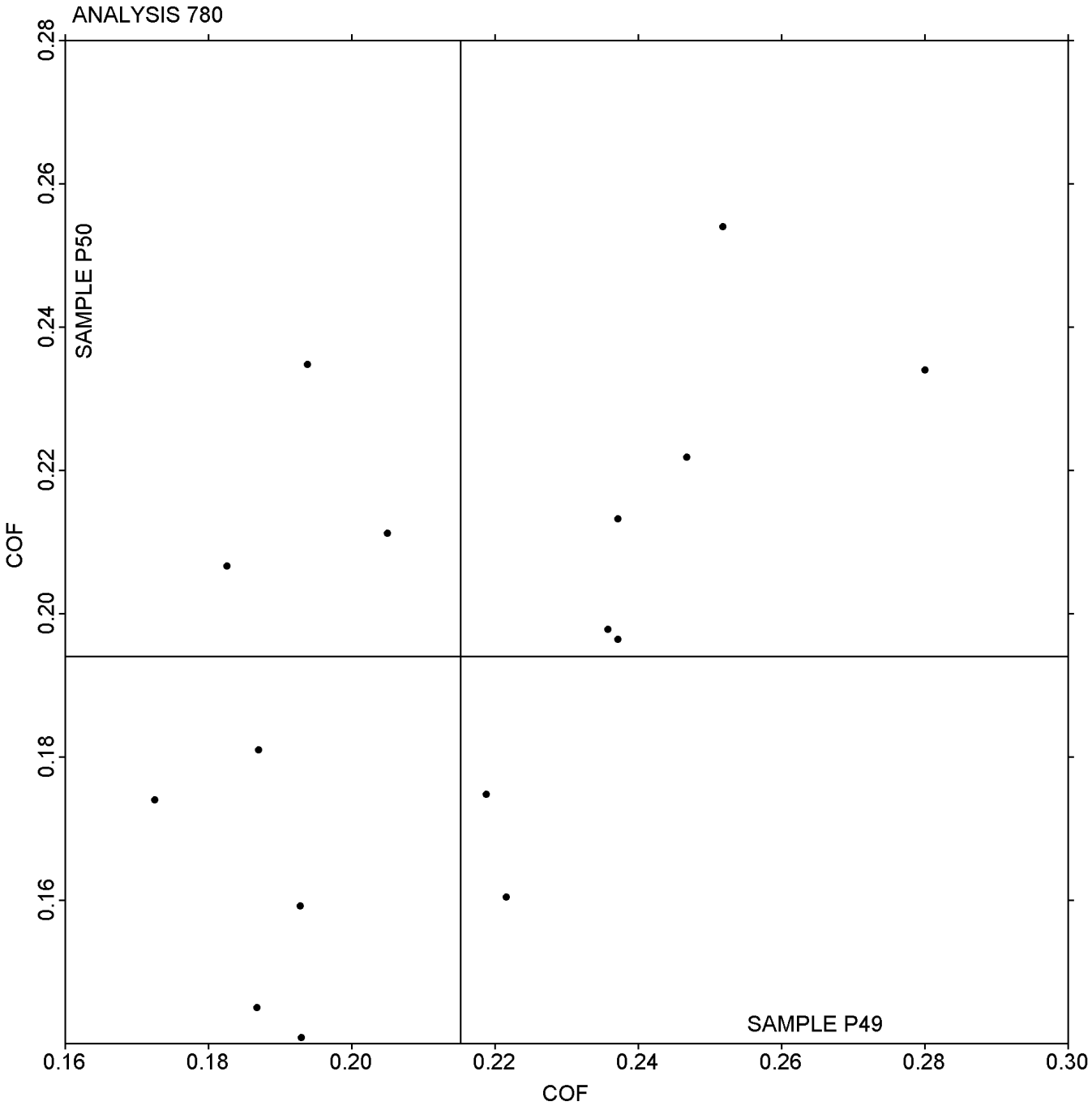
(XX) - Instrument make/model not specified by lab

Plastics Interlaboratory Testing Program

Analysis 780

Coefficient of Static Friction

Grand Mean Sample P49: 0.21517 COF **Grand Mean Sample P50:** 0.19406 COF



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program
Analysis 781
Coefficient of Kinetic Friction

WebCode	Data Flag	Sample P49 Lab Mean	Sample P49 Diff from Grand Mean	Sample P49 CPV	Sample P50 Lab Mean	Sample P50 Diff from Grand Mean	Sample P50 CPV	Instr Code
2GMYSA		0.1844	0.0051	0.44	0.1632	0.0327	1.88	TN
3AE3NA		0.1698	-0.0095	-0.82	0.1452	0.0147	0.85	MS
4VYLZ9		0.1772	-0.0021	-0.18	0.1156	-0.0149	-0.86	TN
57UJYL		0.1640	-0.0153	-1.32	0.0880	-0.0425	-2.45	IS
765F18		0.1940	0.0147	1.27	0.1280	-0.0025	-0.15	TL
9NYZUJ	X	0.0654	-0.1139	-9.83	0.1100	-0.0205	-1.18	IP
HNQG71		0.1652	-0.0141	-1.22	0.1176	-0.0129	-0.74	TH
L4F7HV		0.1670	-0.0123	-1.06	0.1340	0.0035	0.20	UT
MDC74S		0.1916	0.0123	1.06	0.1354	0.0049	0.28	XX
NEEZ3B		0.1864	0.0071	0.61	0.1274	-0.0031	-0.18	TH
QNLY3Z		0.1858	0.0065	0.56	0.1454	0.0149	0.86	TN
S39FWY		0.1788	-0.0005	-0.04	0.1300	-0.0005	-0.03	XX
WLEPEC		0.1810	0.0017	0.15	0.1182	-0.0123	-0.71	TH
XBXM8U		0.1606	-0.0187	-1.61	0.1250	-0.0055	-0.32	TH
Z16E9X		0.1968	0.0175	1.51	0.1420	0.0115	0.66	TH
ZDCZKT		0.1866	0.0073	0.63	0.1428	0.0123	0.71	SA

Summary Statistics

	Sample P49	Sample P50
Grand Means	0.17928 COF	0.13052 COF
Stnd Dev Btwn Labs	0.01158 COF	0.01736 COF

Statistics based on 15 of 16 reporting participants

Sample P49: LDPE **& Sample P50:** LDPE

Comments on assigned Data Flags for Test #781

9NYZUJ (X) - Low data for Sample P49. Variable data for P50.

Instrument Code List as Reported by the Labs

(IP) - Instron 4400 Series

(IS) - Instron Model 5565

(MS) - MTS Sintech

(SA) - Shimadzu Autograph AG 2000 A

(TH) - Thwing Albert Friction/Peel Tester Model 225-1

(TL) - TMI #32-90

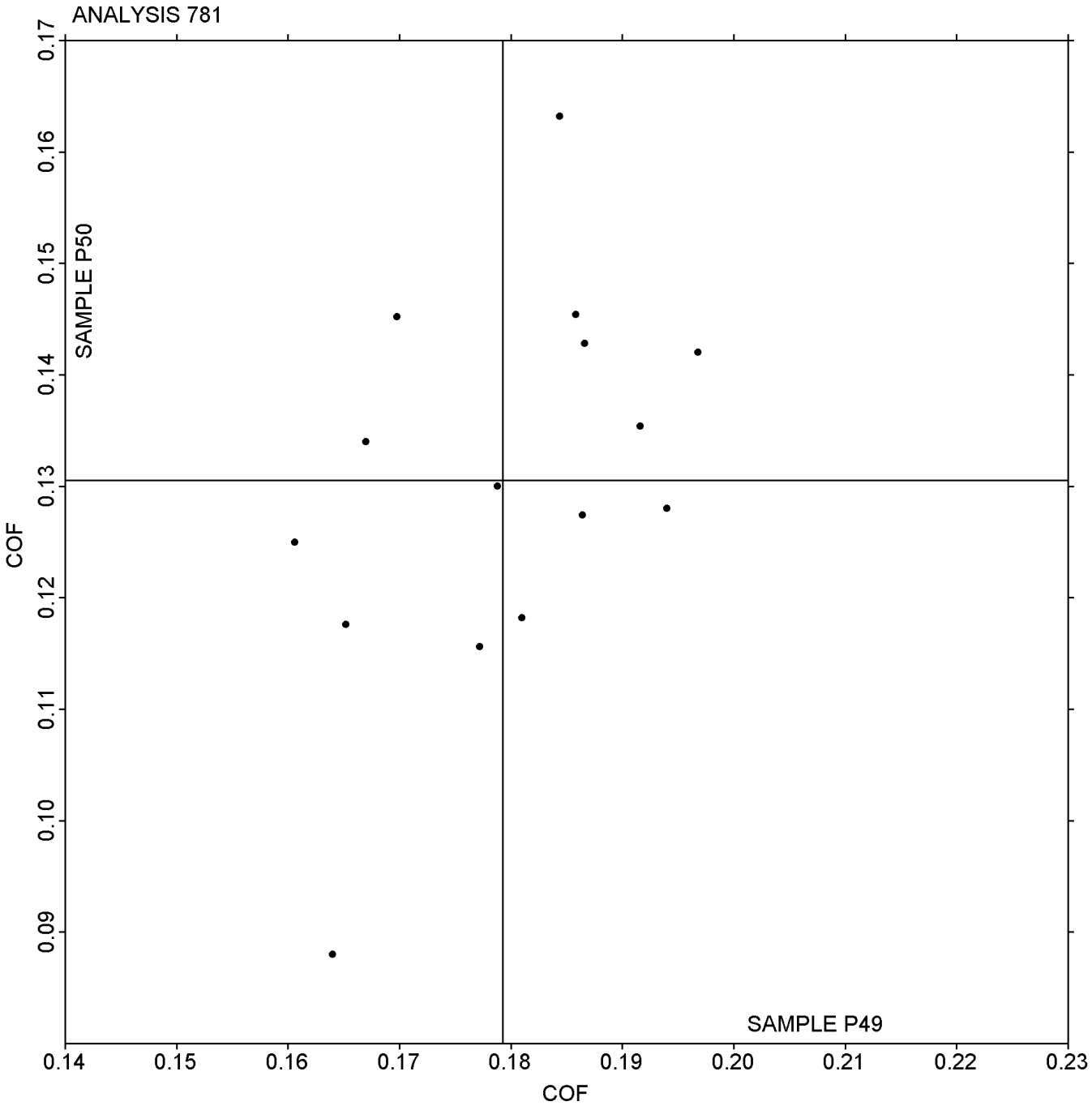
(TN) - TMI #32-06

(UT) - United Testing Systems (model not specified)

(XX) - Instrument make/model not specified by lab

Plastics Interlaboratory Testing Program
Analysis 781
Coefficient of Kinetic Friction

Grand Mean Sample P49: 0.17928 COF **Grand Mean Sample P50:** 0.13052 COF



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 782

Tear Resistance of Films

WebCode	Data Flag	Sample Q49 Lab Mean	Sample Q49 Diff from Grand Mean	Sample Q49 CPV	Sample Q50 Lab Mean	Sample Q50 Diff from Grand Mean	Sample Q50 CPV	Instr Code
139RAY		500.9	69.4	0.74	43.2	-4.0	-0.24	TM
2915A6		482.0	50.5	0.53	45.2	-2.0	-0.12	TF
423JQX		544.8	113.3	1.20	91.1	43.9	2.64	AL
726UWT		417.6	-13.9	-0.15	33.6	-13.7	-0.82	TH
EQ7ZR3		409.9	-21.5	-0.23	43.0	-4.2	-0.25	TE
GF8BBC		451.9	20.5	0.22	37.5	-9.7	-0.59	LO
GUCFZZ		471.6	40.2	0.43	34.7	-12.6	-0.76	SZ
HCTXQX		480.0	48.5	0.51	55.5	8.2	0.50	TM
PSMKJK		215.1	-216.4	-2.29	43.2	-4.1	-0.24	TE
XY1GCE		340.7	-90.7	-0.96	45.4	-1.8	-0.11	TE

Summary Statistics

	Sample Q49		Sample Q50	
Grand Means	431.46	grams-force	47.25	grams-force
Stnd Dev Btwn Labs	94.47	grams-force	16.63	grams-force

Statistics based on 10 of 10 reporting participants

Sample Q49: LDPE **&** **Sample Q50:** LDPE

Instrument Code List as Reported by the Labs

(AL) - Adamel Lhomargy ED20

(LO) - Lorentzen & Wettre Model II

(SZ) - Textest FX 3700

(TE) - Thwing-Albert Pro Tear

(TF) - Thwing-Albert Model 60-1500

(TH) - Thwing-Albert Model 60-16

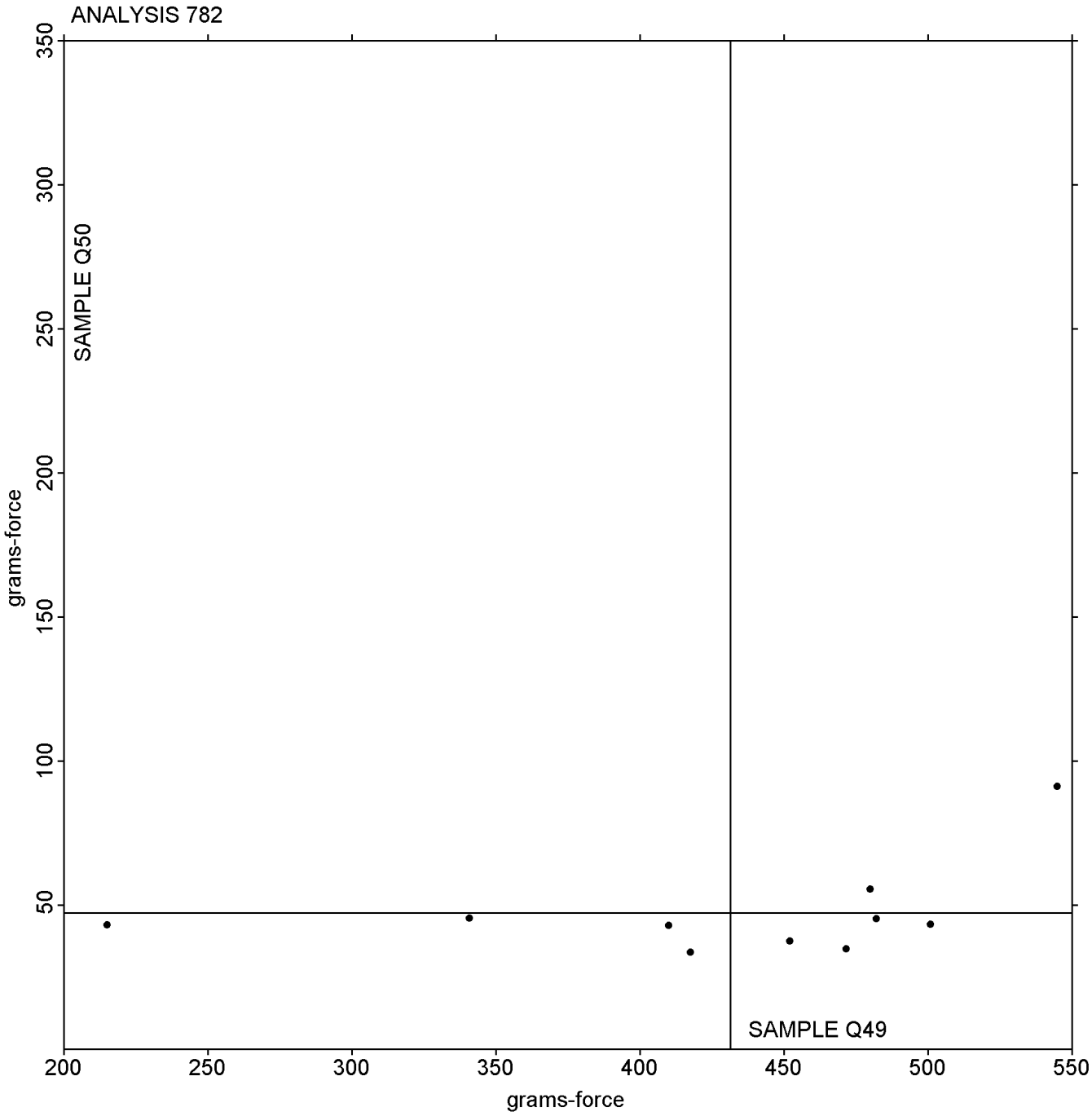
(TM) - TMI No. 83-1100

Plastics Interlaboratory Testing Program

Analysis 782

Tear Resistance of Films

Grand Mean Sample Q49: 431.46 grams-force **Grand Mean Sample Q50:** 47.255 grams-force



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 785

Percent Haze of Film

WebCode	Data Flag	Sample D49 Lab Mean	Sample D49 Diff from Grand Mean	Sample D49 CPV	Sample D50 Lab Mean	Sample D50 Diff from Grand Mean	Sample D50 CPV	Instr Code
127F9Y		12.963	0.029	0.03	13.500	-0.272	-0.26	BJ
1L6XW1		13.125	0.192	0.23	14.188	0.416	0.39	BJ
3YWNBE		13.413	0.479	0.57	13.438	-0.334	-0.31	BJ
4AGHWN		13.721	0.788	0.94	14.468	0.696	0.65	MA
4TDF6Q		12.663	-0.271	-0.32	14.425	0.653	0.61	BJ
4UHELA		13.675	0.742	0.88	13.975	0.203	0.19	BJ
6CGBU6		13.600	0.667	0.79	15.338	1.566	1.47	BJ
6HPY91		13.163	0.229	0.27	14.325	0.553	0.52	BJ
6MTY6C		11.950	-0.983	-1.17	13.100	-0.672	-0.63	BH
7WAEC5		10.906	-2.027	-2.41	11.566	-2.205	-2.07	HC
DURAVT		11.636	-1.297	-1.54	11.758	-2.014	-1.89	HL
DVDPBB		13.750	0.817	0.97	14.600	0.828	0.78	BG
F1UNNP		12.791	-0.142	-0.17	15.044	1.272	1.20	BT
GGSUZY		12.385	-0.548	-0.65	13.619	-0.153	-0.14	BH
GJ94QX		13.163	0.229	0.27	13.975	0.203	0.19	BJ
JY7FJN		13.813	0.879	1.05	13.563	-0.209	-0.20	BJ
M8GKY4		12.013	-0.921	-1.10	13.788	0.016	0.02	BJ
NB7V2G		12.134	-0.800	-0.95	11.486	-2.285	-2.15	HL
NQF1VK		13.813	0.879	1.05	14.475	0.703	0.66	XX
REWH4S		12.863	-0.071	-0.08	13.788	0.016	0.02	BJ
X8QN86		14.063	1.129	1.34	14.788	1.016	0.96	BJ

Summary Statistics

Grand Means

12.9333 Percent 13.7715 Percent

Stnd Dev Btwn Labs

0.8402 Percent 1.0631 Percent

Statistics based on 21 of 21 reporting participants

Sample D49: LDPE **& Sample D50:** LDPE

Plastics Interlaboratory Testing Program
Analysis 785
Percent Haze of Film

Instrument Code List as Reported by the Labs

(BG) - BYK-Gardner/Pacific Scientific

(BH) - BYK-Gardner/Pacific Scientific Model XL-211

(BJ) - BYK-Gardner Haze-Gard Plus

(BT) - BYK Gardner TCS Plus Spectrophotometer

(HC) - Hunterlab ColorQuest

(HL) - Hunterlab Ultrascan XE

(MA) - Macbeth 7000A

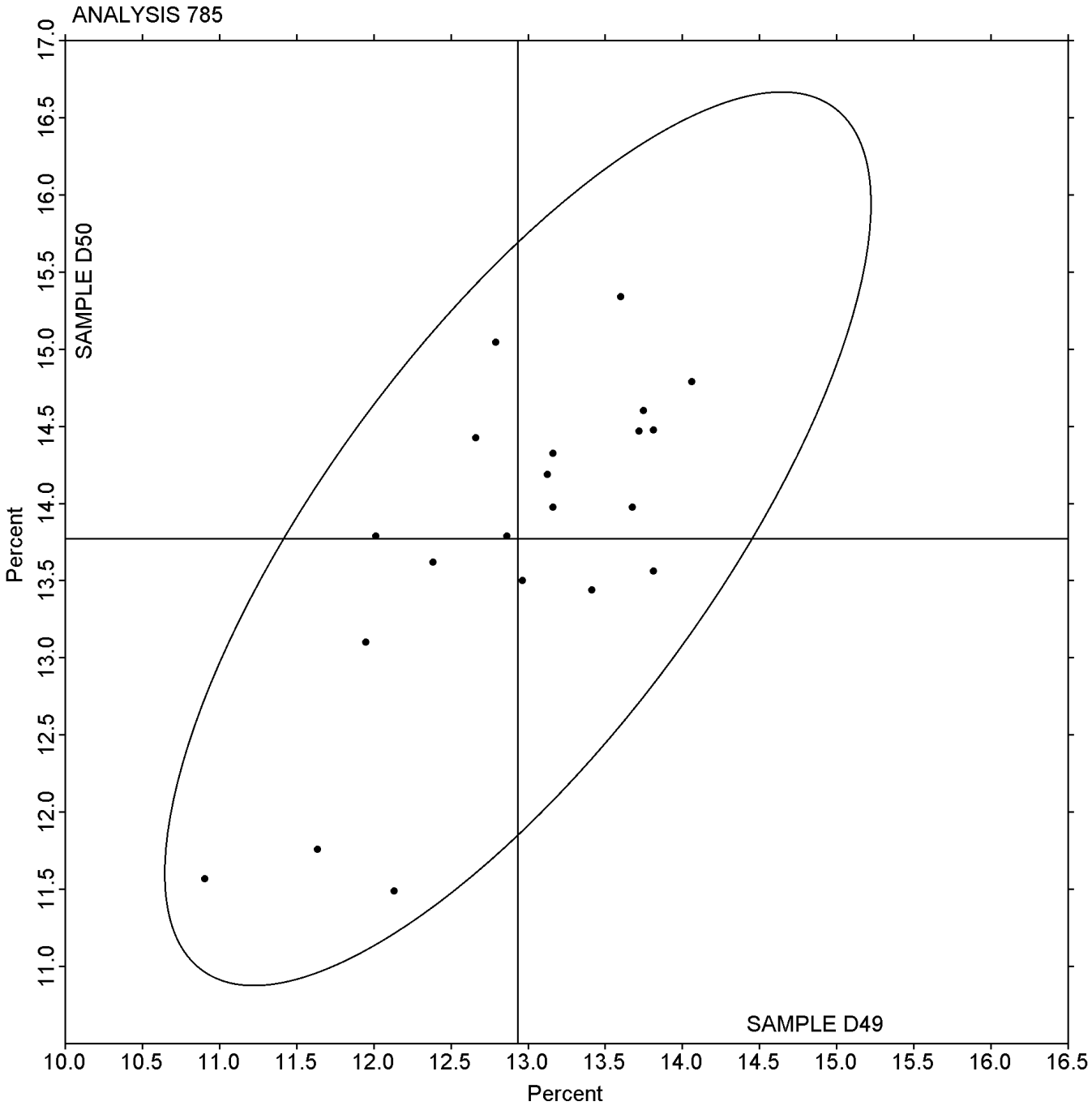
(XX) - Instrument make/model not specified by lab

Plastics Interlaboratory Testing Program

Analysis 785

Percent Haze of Film

Grand Mean Sample D49: 12.933 Percent **Grand Mean Sample D50:** 13.772 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.

Plastics Interlaboratory Testing Program

Analysis 786

Total Luminous transmittance of film

WebCode	Data Flag	Sample D49 Lab Mean	Sample D49 Diff from Grand Mean	Sample D49 CPV	Sample D50 Lab Mean	Sample D50 Diff from Grand Mean	Sample D50 CPV	Instr Code
6B1D4Z		93.75	0.96	0.84	93.65	0.65	0.58	BJ
BH15Z4		93.70	0.91	0.79	93.96	0.96	0.86	BJ
CVWDXC		93.95	1.16	1.01	94.08	1.07	0.96	BG
DVR4CZ		92.60	-0.19	-0.17	92.80	-0.20	-0.18	BJ
FWQNTU		93.21	0.42	0.37	93.40	0.40	0.35	XX
G9G4JP		92.65	-0.14	-0.12	93.30	0.30	0.27	BJ
J3747K		93.61	0.82	0.72	93.74	0.74	0.66	BJ
M3NF7K		93.38	0.58	0.51	93.55	0.55	0.49	BJ
MEDJ9W		91.84	-0.95	-0.83	92.04	-0.96	-0.86	BJ
RGEAQQ		93.63	0.83	0.73	93.71	0.71	0.63	BJ
RQGKTE		90.62	-2.17	-1.90	91.04	-1.96	-1.75	HL
SU9PYC		92.81	0.02	0.02	92.99	-0.01	-0.01	BT
UT9ATG		93.93	1.13	0.99	94.34	1.34	1.19	HC
V28QXB		92.44	-0.35	-0.31	92.50	-0.50	-0.45	BH
VVNBSV		90.59	-2.20	-1.92	90.89	-2.11	-1.88	HL
WD1RYM		94.34	1.55	1.35	94.63	1.62	1.45	BJ
X4C3N7		91.86	-0.93	-0.81	91.88	-1.13	-1.00	BJ
ZUMPXS		91.34	-1.45	-1.27	91.54	-1.46	-1.30	MA

Summary Statistics

Grand Means

92.791 Percent — 93.001 Percent

Stnd Dev Btwn Labs

1.145 Percent — 1.124 Percent

Statistics based on 18 of 18 reporting participants

Sample D49: LDPE **& Sample D50:** LDPE

Instrument Code List as Reported by the Labs

(BG) - BYK-Gardner/Pacific Scientific

(BH) - BYK-Gardner/Pacific Scientific Model XL-211

(BJ) - BYK-Gardner Haze-Gard Plus

(BT) - BYK Gardner TCS Plus Spectrophotometer

(HC) - Hunterlab ColorQuest

(HL) - Hunterlab Ultrascan XE

(MA) - Macbeth 7000A

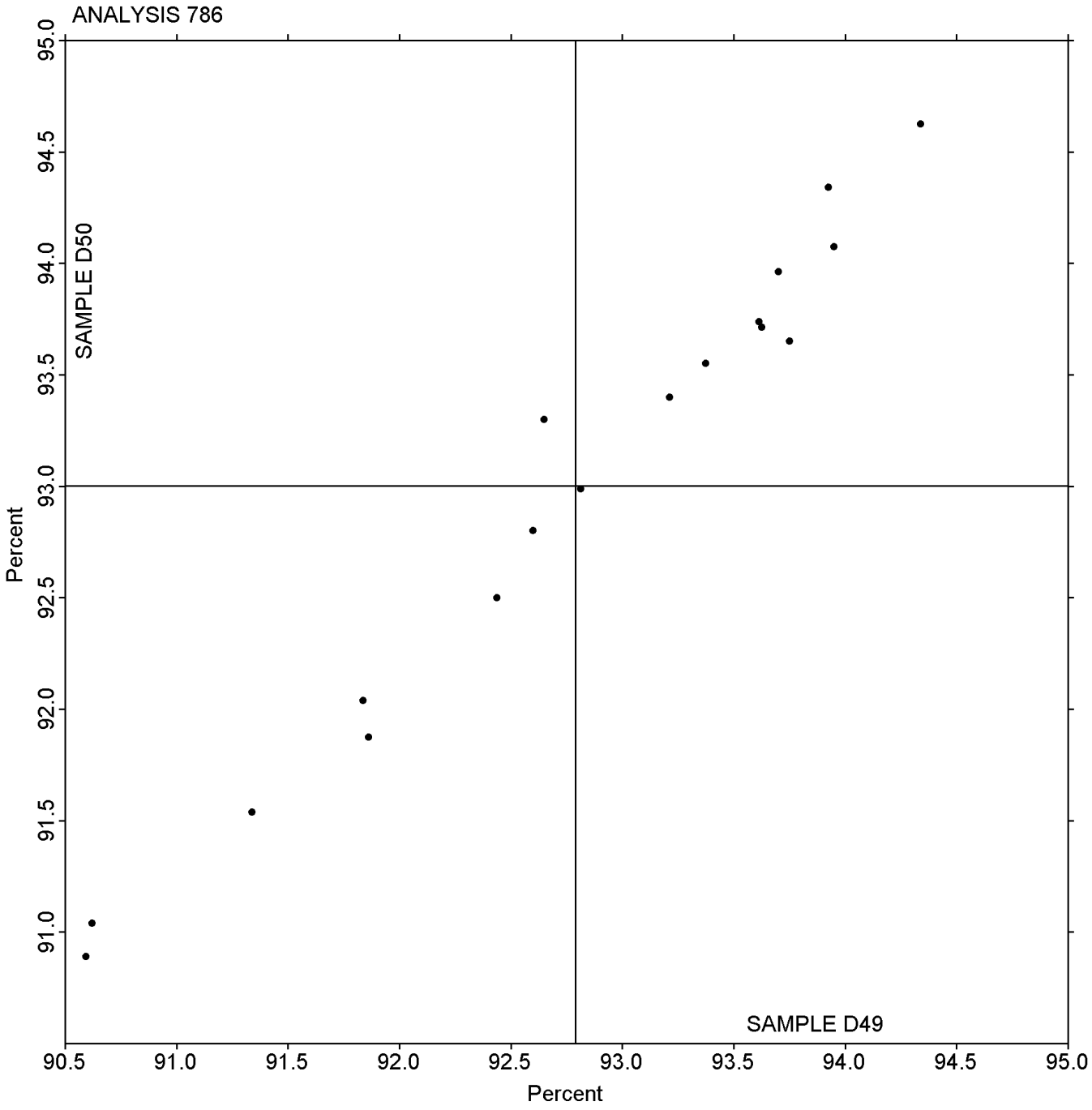
(XX) - Instrument make/model not specified by lab

Plastics Interlaboratory Testing Program

Analysis 786

Total Luminous transmittance of film

Grand Mean Sample D49: 92.791 Percent **Grand Mean Sample D50:** 93.001 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot.