Collaborative Testing Services, Inc.

Plastics Interlaboratory Testing Program

Web Summary Report #69, 1st Qtr 2009

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
755	Moisture Content of Plastics
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
775	Secant Modulus at 1% Strain
776	Secant Modulus at 2% Strain
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.

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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.

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 #69

Plastics Interlaboratory Testing Program

Analysis 704 - Tensile Stress at Yield				
Material: ABS/PC	Sample F75	6,935.15	psi	1.80% COV
	Sample F76	6,913.82	psi	1.62% COV
Analysis 705 - Tensile Stress at Break				
Material: ABS/PC	Sample F75	5,000.30	psi	4.57% COV
	Sample F76	4,950.07	psi	4.88% COV
Analysis 706 - Percent Elongation at Yield				
Material: ABS/PC	Sample F75	2.8044	Percent	3.07% COV
	Sample F76	2.7900	Percent	3.11% COV
Analysis 708 - Modulus of Elasticity				
Material: ABS/PC	Sample F75	339.24	ksi	5.92% COV
	Sample F76	340.44	ksi	5.64% COV
Analysis 730 - Tensile Stress at Yield, ISO Method				
Material: ABS	Sample C75	47.068	MPa	1.49% COV
	Sample C76	48.642	MPa	1.67% COV
Analysis 731 - Tensile Stress at Break, ISO Method				
Material: ABS	Sample C75	34.531	MPa	5.05% COV
	Sample C76	35.931	MPa	5.64% COV
Analysis 732 - Strain at Yield, ISO Method				
Material: ABS	Sample C75	2.6900	Percent	3.88% COV
	Sample C76	2.6168	Percent	4.09% COV
Analysis 734 - Modulus of Elasticity, ISO Method				
Material: ABS	Sample C75	2,351.62	MPa	5.11% COV
	Sample C76	2,445.94	MPa	5.66% COV
Analysis 720 - Flexural Modulus				
Material: ABS	Sample J75	363.99	ksi	3.95% COV
	Sample J76	352.66	ksi	3.98% COV
Analysis 721 - Flexural Stress at 5% Strain				
Material: ABS	Sample J75	10,886.94	psi	2.88% COV
	Sample J76	10,528.07	psi	3.27% COV
Analysis 722 - Flexural Stress at Yield				
Material: ABS	Sample J75	10,913.40	psi	3.02% COV
	Sample J76	10,549.06	psi	3.30% COV
Analysis 736 - Flexural Modulus				
Material: HIPS	Sample K75	2,303.82	MPa	2.78% COV
	Sample K76	2,309.37	MPa	3.04% COV
Analysis 737 - Flexural Stress at 3.5% Strain				
Material: HIPS	Sample K75	47.083	MPa	2.10% COV
	Sample K76	47.181	MPa	2.07% COV

Results Summary for Web Summary Report #69

Plastics Interlaboratory Testing Program

Analysis 738 - Flexural Stress at Yield				
Material: HIPS	Sample K75	47.209	MPa	2.27% COV
	Sample K76	47.235	MPa	2.29% COV
Analysis 790 - Notched Izod Impact				
Material: ABS	Sample S75	6.8523	ft.lbf/in	7.46% COV
	Sample S76	6.6339	ft.lbf/in	7.26% COV
Analysis 792 - Notched Charpy Impact				
Material: ABS	Sample M75	30.441	kJ/m^2	4.82% COV
	Sample M76	29.397	kJ/m^2	4.65% COV
Analysis 710 - Deflection Temp. Under Flexural Load (1.82 MPa)				
Material: ABS	Sample E75	83.347	Degrees C	1.84% COV
	Sample E76	78.798	Degrees C	2.29% COV
Analysis 711 - Deflection Temp. Under Flexural Load (0.455 MPa)				
Material: PP	Sample G75	84.474	Degrees C	2.55% COV
	Sample G76	63.131	Degrees C	3.29% COV
Analysis 712 - Temperature of Deflection (1.80 MPa)				
Material: ABS/PC	Sample N75	77.699	Degrees C	0.949% COV
	Sample N76	91.971	Degrees C	0.730% COV
Analysis 715 - Vicat Temperature (Rate A)				
Material: ABS	Sample H75	104.37	Degrees C	1.09% COV
	Sample H76	104.22	Degrees C	1.09% COV
Analysis 716 - Vicat Temperature (Rate B)				
Material: ABS	Sample R75	105.76	Degrees C	0.975% COV
	Sample R76	105.64	Degrees C	1.06% COV
Analysis 750 - Flow Rate (190C or 230C/2.16 kg)				
Material: PE	Sample X75	7.3596	grams/10 mins	2.07% COV
	Sample X76	9.3873	grams/10 mins	2.80% COV
Analysis 718 - Specific Gravity				
Material: ABS	Sample T75	1.0441	sp gr 23/23 C	0.178% COV
	Sample T76	1.0450	sp gr 23/23 C	0.198% COV
Analysis 757 - Ash Content				
Material: PBT	Sample L75	15.152	Percent	0.538% COV
	Sample L76	17.918	Percent	1.20% COV
Analysis 770 - Tensile Stress at Yield, Films				
Material: LDPE	Sample B75	2,110.60	psi	12.6% COV
	Sample B76	2,156.11	psi	13.8% COV
Analysis 771 - Tensile Stress at Break, Films				
Material: LDPE	Sample B75	3,781.88	psi	6.98% COV
	Sample B76	3,794.64	psi	8.51% COV

Results Summary for Web Summary Report #69

Plastics Interlaboratory Testing Program

Analysis 772 - Elongation at Yield, Films				
Material: LDPE	Sample B75	82.895	Percent	50.3% COV
	Sample B76	90.661	Percent	51.5% COV
Analysis 773 - Elongation at Break, Films				
Material: LDPE	Sample B75	738.30	Percent	25.7% COV
	Sample B76	723.26	Percent	25.9% COV
Analysis 774 - Thickness of Film Specimens				
Material: LDPE	Sample B75	3.8551	mils	2.49% COV
	Sample B76	3.7930	mils	2.57% COV
Analysis 775 - Secant Modulus at 1% Strain				
Material: LDPE	Sample B75	32,034.46	psi	11.5% COV
	Sample B76	31,555.53	psi	10.9% COV
Analysis 776 - Secant Modulus at 2% Strain				
Material: LDPE	Sample B75	27,784.39	psi	11.0% COV
	Sample B76	27,200.05	psi	10.8% COV
Analysis 780 - Static Friction				
Material: LDPE	Sample P75	0.21656	COF	20.8% COV
	Sample P76	0.18641	COF	23.6% COV
Analysis 781 - Kinetic Friction				
Material: LDPE	Sample P75	0.14212	COF	17.4% COV
	Sample P76	0.12080	COF	27.3% COV
Analysis 782 - Tear Resistance of Film				
Material: LDPE	Sample Q75	243.44	grams-force	23.8% COV
	Sample Q76	108.00	grams-force	18.8% COV
Analysis 785 - Percent Haze				
Material: LDPE	Sample D75	9.7448	Percent	6.59% COV
	Sample D76	12.576	Percent	5.55% COV
Analysis 786 - Total Transmittance				
Material: LDPE	Sample D75	92.556	Percent	1.08% COV
	Sample D76	92.888	Percent	1.13% COV
Analysis 755 - Moisture Content				
Material: ABS	Sample Y75	0.16408	Percent	11.4% COV
	Sample Y76	0.18619	Percent	14.1% COV

Plastics Interlaboratory Testing Program

Analysis 704

Tensile Stress at Yield - psi

WebCode	Data Flag	Sample F75 Lab Mean	Sample F75 Diff from Grand Mean	Sample F75 CPV	Sample F76 Lab Mean	Sample F76 Diff from Grand Mean	Sample F76 CPV
1EDYUU		6,874.8	-60.3	-0.48	6,863.2	-50.6	-0.45
1TMLGY		6,883.8	-51.4	-0.41	6,871.6	-42.2	-0.38
29GP9U		6,964.4	29.2	0.23	6,968.0	54.2	0.48
2T5C5U		6,899.2	-36.0	-0.29	6,872.4	-41.4	-0.37
2ZTREV		6,906.8	-28.4	-0.23	6,863.2	-50.6	-0.45
3M424W		7,150.2	215.0	1.72	7,087.8	174.0	1.56
3YETDW		6,854.0	-81.2	-0.65	6,837.4	-76.4	-0.68
4HBAWC		7,097.4	162.2	1.30	7,057.6	143.8	1.29
6MV87K	*	6,582.0	-353.2	-2.83	6,674.0	-239.8	-2.14
6Z1VB1		6,942.0	6.8	0.05	6,920.8	7.0	0.06
7BZ6LF		6,813.4	-121.8	-0.98	6,830.0	-83.8	-0.75
7JH9H3		7,132.7	197.6	1.58	7,077.0	163.2	1.46
8K9MSL		6,856.2	-79.0	-0.63	6,905.6	-8.2	-0.07
8XVY4V		6,976.0	40.8	0.33	6,962.0	48.2	0.43
8YQNC5		6,930.7	-4.5	-0.04	6,880.6	-33.3	-0.30
9E7Q5T		7,134.6	199.4	1.60	7,040.4	126.6	1.13
9USB9T		7,083.0	147.8	1.19	7,089.3	175.4	1.57
9ZB45Q		6,971.7	36.6	0.29	6,868.8	-45.1	-0.40
BLQ1TD	X	6,400.0	-535.2	-4.29	6,384.0	-529.8	-4.74
BTMUXC		7,107.6	172.4	1.38	7,100.8	187.0	1.67
CB45H5		6,907.9	-27.2	-0.22	6,867.9	-45.9	-0.41
ERTY89		7,099.4	164.2	1.32	7,040.5	126.7	1.13
EWXX8C		7,142.0	206.8	1.66	7,000.0	86.2	0.77
F4UDLY	X	7,295.4	360.2	2.89	7,608.0	694.2	6.20
F6Y16Q		6,938.0	2.8	0.02	6,809.8	-104.0	-0.93
FAY8N6	*	6,922.8	-12.4	-0.10	7,030.6	116.8	1.04
FXRX53		7,025.2	90.0	0.72	6,965.2	51.4	0.46
GSABUQ		6,821.0	-114.2	-0.92	6,850.8	-63.0	-0.56
GYG4SE	X	7,428.6	493.4	3.96	7,415.4	501.6	4.48
HKQMJV	X	7,266.8	331.6	2.66	7,405.2	491.4	4.39
J5LVUF		6,894.6	-40.6	-0.33	6,830.8	-83.0	-0.74
JA3CWS		6,860.3	-74.8	-0.60	6,808.1	-105.7	-0.94

Plastics Interlaboratory Testing Program

Analysis 704

Tensile Stress at Yield - psi

		Sample F75			Sample F76		
WebCode	Data Flag	Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
JNADD3	*	6,606.7	-328.5	-2.63	6,594.5	-319.4	-2.85
JTAAR3	X	6,373.8	-561.4	-4.50	6,334.3	-579.6	-5.18
K9G2TJ		6,684.8	-250.4	-2.01	6,745.4	-168.4	-1.51
LEQGED		6,995.6	60.4	0.48	6,992.0	78.2	0.70
M5CCLN		6,997.2	62.0	0.50	6,935.0	21.2	0.19
MBSLP5	X	7,067.1	132.0	1.06	7,296.2	382.4	3.42
NDEP4G		6,823.4	-111.8	-0.90	6,859.8	-54.0	-0.48
NSXACQ		6,671.8	-263.4	-2.11	6,729.8	-184.0	-1.64
NV55A5		6,912.8	-22.4	-0.18	6,833.0	-80.8	-0.72
NY595D		6,908.8	-26.4	-0.21	6,955.6	41.8	0.37
QK3QZE		7,002.5	67.3	0.54	6,941.6	27.7	0.25
QTXWQZ		6,930.0	-5.2	-0.04	6,886.5	-27.4	-0.24
R61M3R		7,034.4	99.2	0.80	6,974.3	60.5	0.54
RE4SS9		6,993.0	57.8	0.46	6,969.0	55.2	0.49
RHC8AJ		6,926.8	-8.4	-0.07	6,933.4	19.6	0.18
S4T185		6,974.8	39.6	0.32	6,929.0	15.2	0.14
SCV5G2		6,736.0	-199.2	-1.60	6,728.6	-185.2	-1.66
SU9QTY	*	7,075.6	140.4	1.13	7,154.8	241.0	2.15
TERL2R		6,990.0	54.8	0.44	7,012.6	98.8	0.88
TG3RWY		6,784.6	-150.5	-1.21	6,787.0	-126.9	-1.13
TJZ434		7,037.6	102.4	0.82	7,037.6	123.8	1.11
TS7HGR		6,909.7	-25.5	-0.20	6,921.3	7.4	0.07
U5S82E		6,899.8	-35.4	-0.28	6,876.8	-37.0	-0.33
UYS728		7,005.4	70.2	0.56	6,988.0	74.2	0.66
V3TFCL		6,872.0	-63.2	-0.51	6,749.2	-164.6	-1.47
VWGMUH		7,076.6	141.4	1.13	7,071.0	157.2	1.40
WKC4ZW		6,862.6	-72.6	-0.58	6,881.4	-32.4	-0.29
X8L3FY		7,041.1	105.9	0.85	7,012.3	98.5	0.88
XCYY48	X	6,767.8	-167.4	-1.34	6,940.2	26.4	0.24
XF3GFJ		6,893.2	-42.0	-0.34	6,845.4	-68.4	-0.61
XYC85L		6,918.1	-17.1	-0.14	6,871.4	-42.5	-0.38
YF53TX		7,044.6	109.4	0.88	6,980.8	67.0	0.60

Plastics Interlaboratory Testing Program

Analysis 704

Tensile Stress at Yield - psi

WebCode	Data Flag	Sample F75 Lab Mean	Sample F75 Diff from Grand Mean	Sample F75 CPV	Sample F76 Lab Mean	Sample F76 Diff from Grand Mean	Sample F76 CPV
YRX7J2		6,826.0	-109.2	-0.88	6,806.0	-107.8	-0.96
YWUH42		6,972.1	37.0	0.30	6,916.4	2.5	0.02
ZSTB3G		6,930.0	-5.2	-0.04	6,935.8	21.9	0.20

Summary Statistics

	Sample F75	Sample F76
Grand Means	6,935.15 psi	6,913.82 psi
Stnd Dev Btwn Labs	124.69 psi	111.88 psi

Statistics based on 60 of 67 reporting participants

Sample F75: ABS/PC & Sample F76: ABS/PC

Comments on assigned Data Flags for Test #704

BLQ1TD (X) - Data for both samples are low. Possible Systematic Error.

F4UDLY (X) - Data for both samples are high.

GYG4SE (X) - Data for both samples are high. Possible Systematic Error.

HKQMJV (X) - Inconsistent in testing between samples, data for Sample F76 are high. Also inconsistent in testing within both sample sets.

JTAAR3 (X) - Data for both samples are low.

MBSLP5 (X) - Inconsistent in testing between samples, data for Sample F76 are high. Also inconsistent in testing within both sample sets.

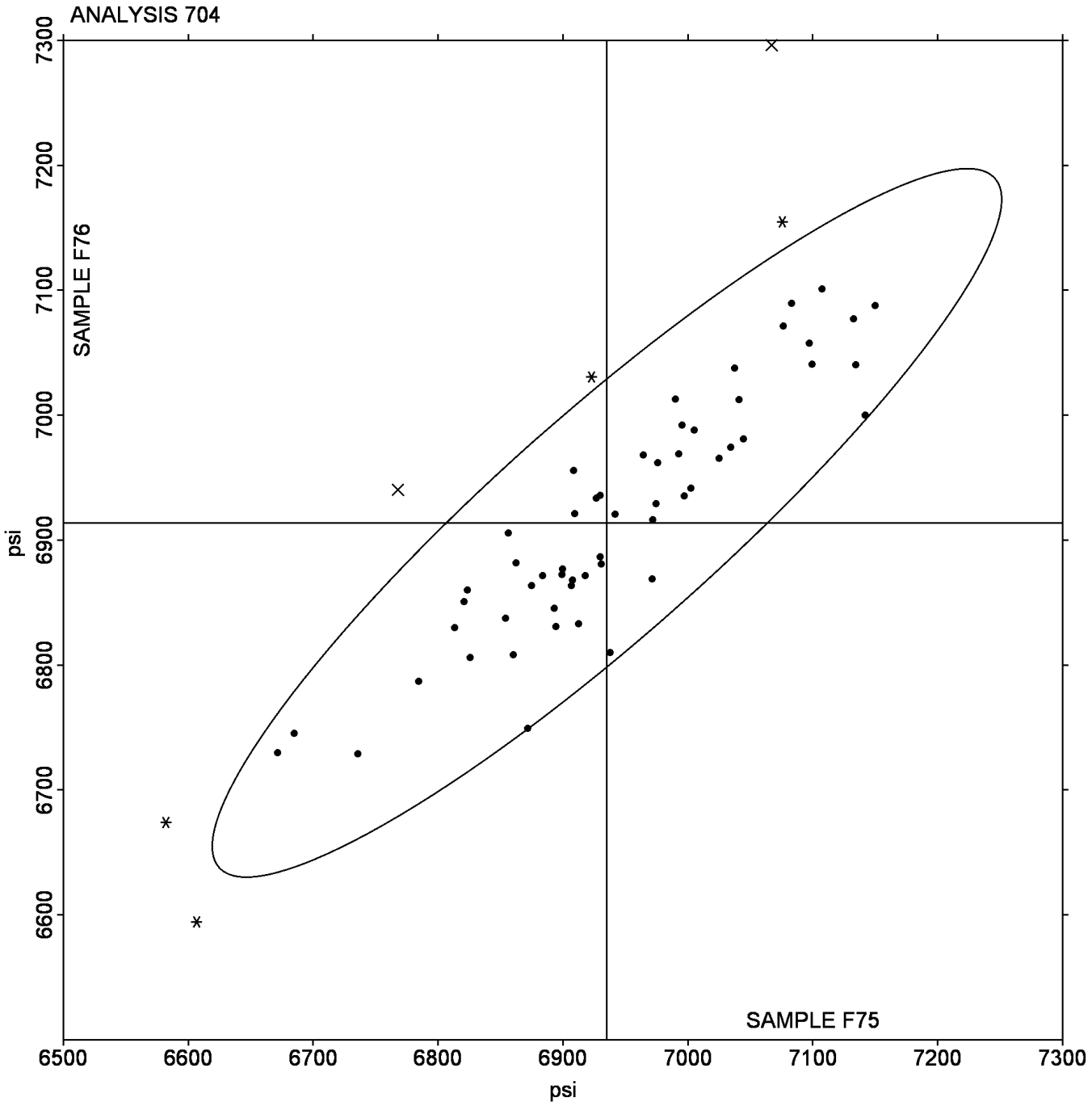
XCYY48 (X) - Inconsistent in testing between samples.

Plastics Interlaboratory Testing Program

Analysis 704

Tensile Stress at Yield - psi

Grand Mean Sample F75: 6,935.15 psi Grand Mean Sample F76: 6,913.82 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 F75 Lab Mean	Sample F75 Diff from Grand Mean	Sample F75 CPV	Sample F76 Lab Mean	Sample F76 Diff from Grand Mean	Sample F76 CPV
24RFVF		4,848.1	-152.2	-0.67	4,806.6	-143.5	-0.59
2HU9EH		5,138.8	138.5	0.61	4,992.0	41.9	0.17
2MBZ1E	*	4,979.0	-21.3	-0.09	4,607.8	-342.3	-1.42
2XLKWN		5,280.9	280.6	1.23	5,119.6	169.5	0.70
372SSU	*	5,623.0	622.7	2.72	5,669.6	719.5	2.98
3AZEBX		4,881.4	-118.9	-0.52	4,777.9	-172.2	-0.71
3BNFZZ		5,070.6	70.3	0.31	5,015.4	65.4	0.27
3W7D7Q		4,954.5	-45.8	-0.20	4,896.5	-53.5	-0.22
4HBX4V		5,265.0	264.7	1.16	5,117.3	167.3	0.69
52GDS6		4,784.4	-215.9	-0.94	4,917.4	-32.7	-0.14
5UCTQP		5,028.5	28.2	0.12	4,979.2	29.1	0.12
5YFQDP	X	4,955.9	-44.4	-0.19	5,339.4	389.3	1.61
77D64S		4,980.0	-20.3	-0.09	5,048.0	97.9	0.41
7L2MAK		5,033.8	33.5	0.15	4,932.0	-18.1	-0.07
7Q3MRW	X	5,350.2	349.9	1.53	5,841.8	891.7	3.69
8MQKUY		5,386.0	385.7	1.69	5,419.0	468.9	1.94
9DWNJU		5,250.4	250.1	1.09	4,987.6	37.5	0.16
A33YRL		4,748.0	-252.3	-1.10	4,753.8	-196.3	-0.81
AH683Z		4,944.4	-55.9	-0.24	5,001.4	51.3	0.21
CDV7PR		4,857.2	-143.1	-0.63	4,932.6	-17.5	-0.07
CLJKYS		5,140.2	139.9	0.61	5,056.1	106.0	0.44
D2AAR1		4,841.4	-158.9	-0.70	4,696.4	-253.7	-1.05
D631YW		5,085.1	84.8	0.37	5,143.1	193.0	0.80
DCBSC9		5,072.8	72.5	0.32	5,166.6	216.5	0.90
E1W1FE	*	4,380.0	-620.3	-2.71	4,380.0	-570.1	-2.36
EUA1CT		4,918.0	-82.3	-0.36	4,776.0	-174.1	-0.72
GL8TBX		4,968.9	-31.4	-0.14	4,772.4	-177.7	-0.74
H131Z6	X	6,949.6	1,949.3	8.53	6,828.4	1,878.3	7.78
H2YH99		5,011.6	11.3	0.05	4,862.4	-87.7	-0.36
HLR22S		5,043.0	42.7	0.19	5,033.1	83.1	0.34
HQT92N		4,816.0	-184.3	-0.81	4,986.2	36.1	0.15
K7GMWU	*	5,626.0	625.7	2.74	5,593.4	643.3	2.67

Plastics Interlaboratory Testing Program

Analysis 705

Tensile Stress at Break - psi

WebCode	Data Flag	Sample F75 Lab Mean	Sample F75 Diff from Grand Mean	Sample F75 CPV	Sample F76 Lab Mean	Sample F76 Diff from Grand Mean	Sample F76 CPV
KDVXUT		4,900.8	-99.5	-0.44	4,926.0	-24.1	-0.10
KPPX6C		5,135.0	134.7	0.59	5,027.6	77.5	0.32
L23B3B	X	7,428.6	2,428.3	10.62	7,415.8	2,465.7	10.22
LDQH27		5,200.2	199.9	0.87	5,185.6	235.5	0.98
LL58LD		4,681.6	-318.7	-1.39	4,615.2	-334.9	-1.39
LWYYGR		4,689.6	-310.7	-1.36	4,844.3	-105.8	-0.44
M3ZGJA		5,135.6	135.3	0.59	5,083.6	133.5	0.55
NKHNFU		5,245.8	245.5	1.07	5,112.4	162.3	0.67
NLNTMV		5,119.9	119.6	0.52	5,204.0	253.9	1.05
NNV1UG	*	4,558.0	-442.3	-1.94	4,312.0	-638.1	-2.64
NUAE7B		5,097.8	97.5	0.43	5,136.0	185.9	0.77
P826BU		4,965.0	-35.3	-0.15	4,915.1	-35.0	-0.14
P916M1		4,788.2	-212.1	-0.93	4,825.6	-124.5	-0.52
Q1LZ4P		4,924.1	-76.2	-0.33	4,912.5	-37.5	-0.16
QPNFFA		4,941.8	-58.5	-0.26	4,876.0	-74.1	-0.31
QQHT5U		4,741.0	-259.3	-1.13	4,539.4	-410.6	-1.70
QU3EBA		5,082.2	81.9	0.36	5,096.7	146.6	0.61
RSCK57		4,811.6	-188.7	-0.83	4,896.2	-53.9	-0.22
RUBJW7		5,035.8	35.5	0.16	4,833.4	-116.7	-0.48
S21JVS		4,788.8	-211.5	-0.93	4,805.8	-144.3	-0.60
TQWFVS		4,963.2	-37.1	-0.16	4,879.1	-71.0	-0.29
V589G7		5,221.4	221.1	0.97	4,945.8	-4.2	-0.02
WRYMFH		4,802.2	-198.1	-0.87	4,841.8	-108.3	-0.45
XD8YCW		5,102.2	101.9	0.45	5,003.0	52.9	0.22
Y8ZCZT		5,127.2	126.9	0.56	5,097.0	146.9	0.61
ZH16YB	X	7,266.8	2,266.5	9.92	7,378.0	2,427.9	10.06

Plastics Interlaboratory Testing Program

Analysis 705

Tensile Stress at Break - psi

Summary Statistics

Grand Means		
	5,000.30 psi	4,950.07 psi
Stnd Dev Btwn Labs		
	228.55 psi	241.38 psi

Statistics based on 53 of 58 reporting participants

Sample F75: ABS/PC & Sample F76: ABS/PC

Comments on assigned Data Flags for Test #705

5YFQDP (X) - Inconsistent in testing between samples.

7Q3MRW (X) - Inconsistent in testing between samples, data for Sample F76 are high.

H131Z6 (X) - Data for both samples are high.

L23B3B (X) - Data for both samples are high.

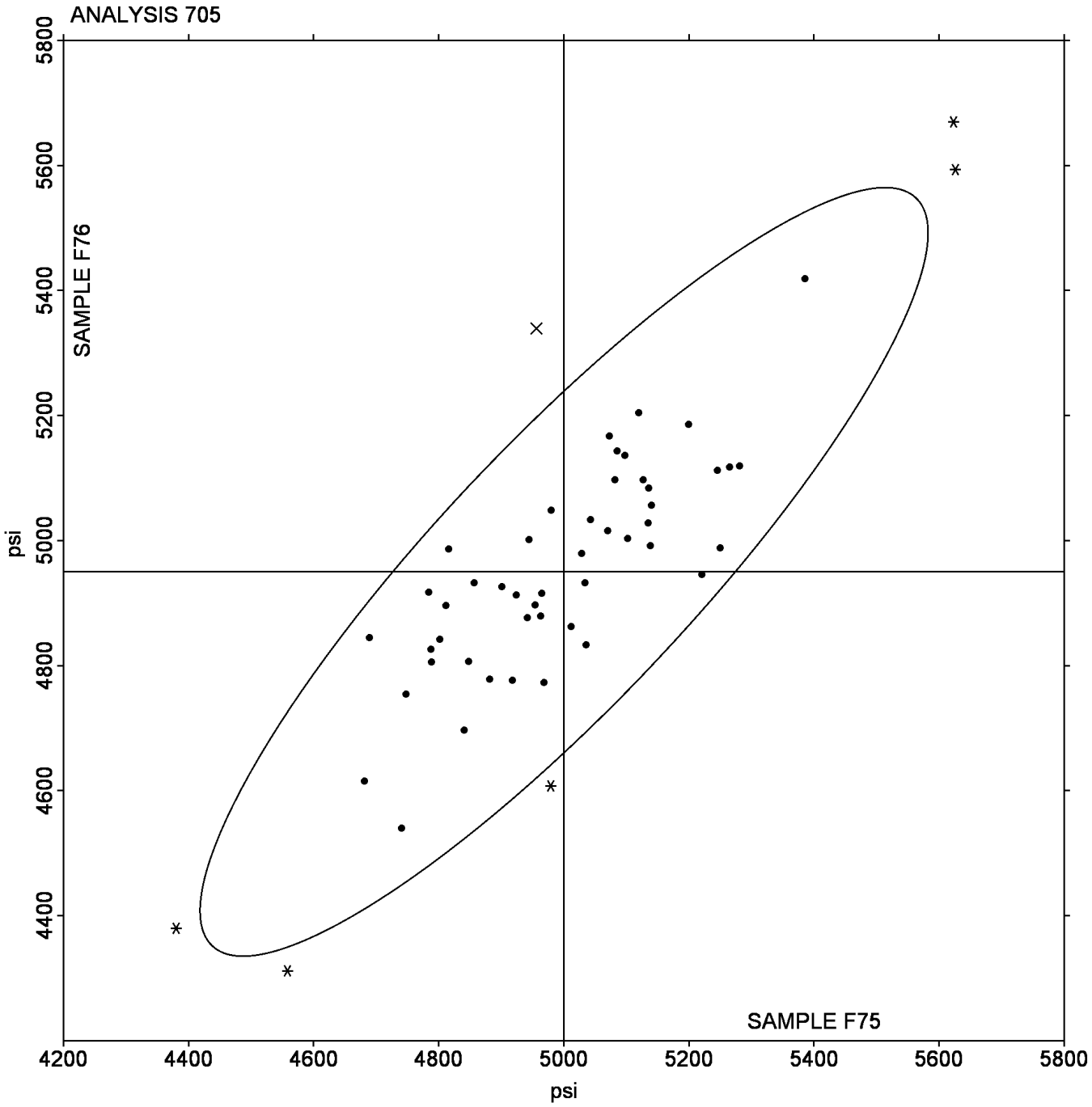
ZH16YB (X) - Data for both samples are high.

Plastics Interlaboratory Testing Program

Analysis 705

Tensile Stress at Break - psi

Grand Mean Sample F75: 5,000.30 psi Grand Mean Sample F76: 4,950.07 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 F75 Lab Mean	Sample F75 Diff from Grand Mean	Sample F75 CPV	Sample F76 Lab Mean	Sample F76 Diff from Grand Mean	Sample F76 CPV
341RPC		2.696	-0.108	-1.26	2.728	-0.062	-0.72
3551HN		2.870	0.066	0.76	2.836	0.046	0.53
36VRK9		2.870	0.066	0.76	2.912	0.122	1.41
37H4NT		2.856	0.052	0.60	2.880	0.090	1.04
3EZGMS		2.790	-0.014	-0.17	2.760	-0.030	-0.35
3PP23W		2.760	-0.044	-0.52	2.800	0.010	0.11
47PF8G		2.690	-0.114	-1.33	2.720	-0.070	-0.81
4KNJ5H		2.816	0.012	0.13	2.774	-0.016	-0.19
55VAHW		2.734	-0.070	-0.82	2.708	-0.082	-0.95
5ZUNN9		2.864	0.060	0.69	2.852	0.062	0.71
67G4GH		2.798	-0.006	-0.07	2.832	0.042	0.48
6B9PDC		2.686	-0.118	-1.38	2.700	-0.090	-1.04
7T7DY8	X	2.140	-0.664	-7.72	2.040	-0.750	-8.65
94LYQ8		2.756	-0.048	-0.56	2.748	-0.042	-0.48
96ESLR		2.748	-0.056	-0.66	2.682	-0.108	-1.25
AAD4RH	*	2.826	0.022	0.25	2.660	-0.130	-1.50
AMRE32	X	2.640	-0.164	-1.91	3.240	0.450	5.19
AVJR91		2.888	0.084	0.97	2.800	0.010	0.11
BCZENF		2.720	-0.084	-0.98	2.740	-0.050	-0.58
CKKWHU		2.856	0.052	0.60	2.794	0.004	0.05
DLE1TG		2.846	0.042	0.48	2.876	0.086	0.99
ET5E1E	X	6.980	4.176	48.51	6.860	4.070	46.92
FJ62N1		2.744	-0.060	-0.70	2.806	0.016	0.18
GQPH2W	X	3.464	0.660	7.66	4.792	2.002	23.08
HD9AW1		2.778	-0.026	-0.31	2.726	-0.064	-0.74
HHAGGB		2.836	0.032	0.37	2.786	-0.004	-0.05
HQG11L		2.856	0.052	0.60	2.826	0.036	0.41
JLDK2L		2.664	-0.140	-1.63	2.676	-0.114	-1.31
K7FNSZ	X	2.988	0.184	2.13	2.780	-0.010	-0.12
KZY9VS		2.842	0.038	0.44	2.860	0.070	0.81
LAWGA6	X	2.112	-0.692	-8.04	2.864	0.074	0.85
LVJFWU		2.903	0.099	1.15	2.860	0.070	0.81

Plastics Interlaboratory Testing Program

Analysis 706

Percent Elongation at Yield - Percent

WebCode	Data Flag	Sample F75 Lab Mean	Sample F75 Diff from Grand Mean	Sample F75 CPV	Sample F76 Lab Mean	Sample F76 Diff from Grand Mean	Sample F76 CPV
M1PMKB		2.860	0.056	0.65	2.762	-0.028	-0.32
MEVH5D		2.640	-0.164	-1.91	2.720	-0.070	-0.81
N7NT4E		2.780	-0.024	-0.28	2.700	-0.090	-1.04
N869BK		2.858	0.054	0.62	2.848	0.058	0.67
P9TYPS		2.956	0.152	1.76	2.900	0.110	1.27
QLVSF2		2.888	0.084	0.97	2.912	0.122	1.41
QZULZY		2.920	0.116	1.34	2.886	0.096	1.11
RTWLUP		2.700	-0.104	-1.21	2.700	-0.090	-1.04
UGS7Z1		2.846	0.042	0.48	2.768	-0.022	-0.25
UXQNM7		2.788	-0.016	-0.19	2.774	-0.016	-0.19
VT52FQ	X	7.800	4.996	58.03	7.600	4.810	55.45
VYQSAT		2.704	-0.100	-1.17	2.708	-0.082	-0.95
W87QNB		2.706	-0.098	-1.14	2.766	-0.024	-0.28
YA5WUT		2.848	0.044	0.51	2.792	0.002	0.02
YKWVM5		2.748	-0.056	-0.66	2.672	-0.118	-1.36
YQ4TC7		2.948	0.144	1.67	2.976	0.186	2.14
YXJN47		2.700	-0.104	-1.21	2.700	-0.090	-1.04
Z2XBRQ	X	6.300	3.496	40.61	6.300	3.510	40.47
ZKU6V1	X	8.760	5.956	69.18	8.580	5.790	66.75
ZP5G6V	*	3.006	0.202	2.34	3.046	0.256	2.95

Summary Statistics

	Sample F75	Sample F76
Grand Means	2.8044 Percent	2.7900 Percent
Stnd Dev Btwn Labs	0.0861 Percent	0.0867 Percent

Statistics based on 43 of 52 reporting participants

Sample F75: ABS/PC & Sample F76: ABS/PC

Plastics Interlaboratory Testing Program

Analysis 706

Percent Elongation at Yield - Percent

Comments on assigned Data Flags for Test #706

7T7DY8 (X) - Data for both samples are low.

AMRE32 (X) - Inconsistent in testing between samples, data for Sample F76 are high. Also inconsistent in testing within both sample sets.

ET5E1E (X) - Data for both samples are high.

GQPH2W (X) - Data for both samples are high.

K7FNSZ (X) - Inconsistent in testing between samples.

LAWGA6 (X) - Inconsistent in testing between samples, data for Sample F75 are low. Lab indicated a problem with a strain gauge.

VT52FQ (X) - Data for both samples are high.

Z2XBRQ (X) - Data for both samples are high.

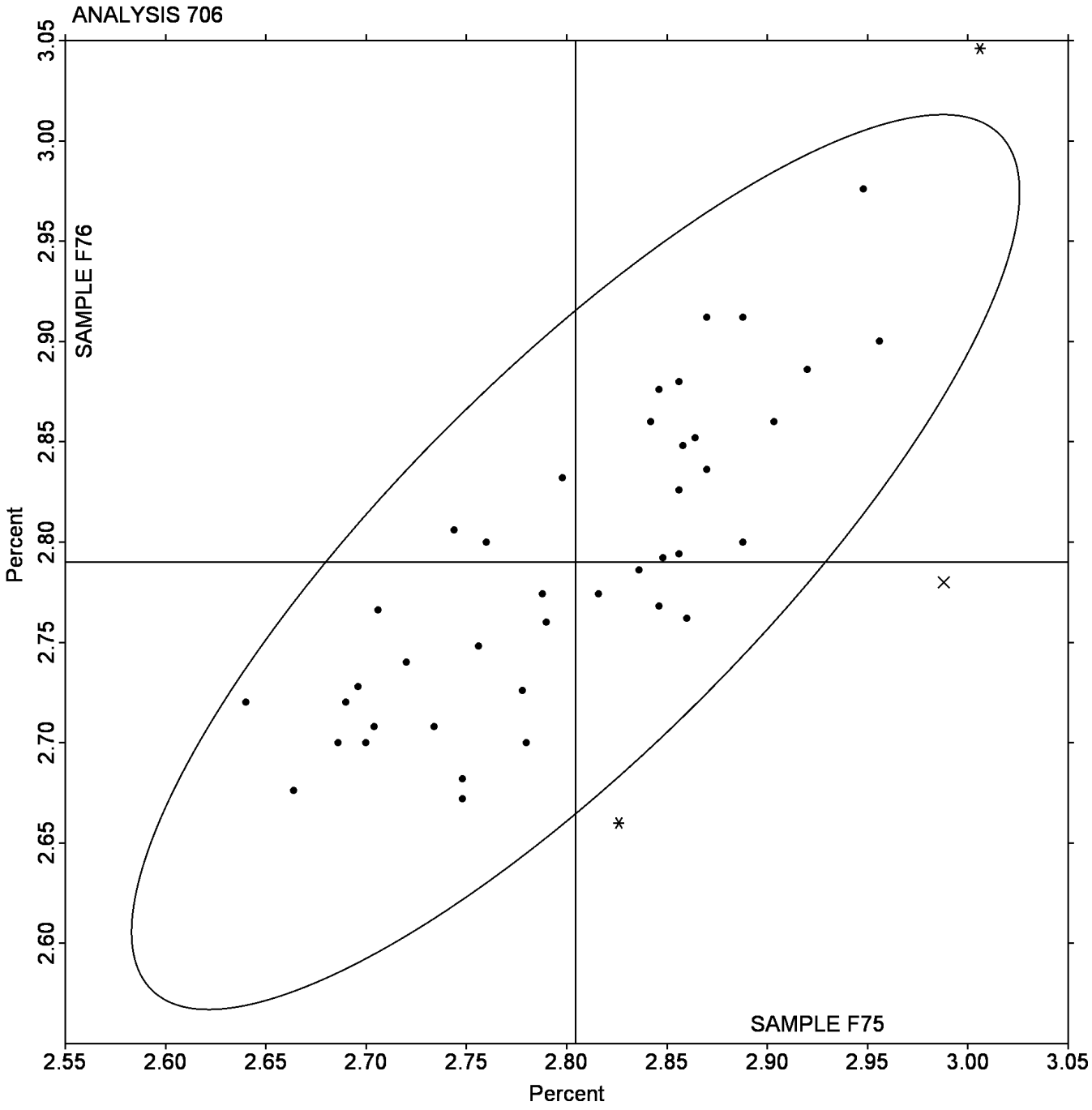
ZKU6V1 (X) - Data for both samples are high.

Plastics Interlaboratory Testing Program

Analysis 706

Percent Elongation at Yield - Percent

Grand Mean Sample F75: 2.8044 Percent Grand Mean Sample F76: 2.7900 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 F75 Lab Mean	Sample F75 Diff from Grand Mean	Sample F75 CPV	Sample F76 Lab Mean	Sample F76 Diff from Grand Mean	Sample F76 CPV
164BCC		347.22	7.99	0.40	331.56	-8.88	-0.46
1L1L24		348.00	8.76	0.44	342.84	2.40	0.13
293R19		328.66	-10.58	-0.53	330.76	-9.68	-0.50
2UKJU5		337.94	-1.29	-0.06	345.48	5.05	0.26
3NW6GP		326.96	-12.28	-0.61	329.60	-10.84	-0.56
4SEGHD		301.82	-37.42	-1.86	307.02	-33.42	-1.74
5BGTKK	*	364.74	25.50	1.27	383.04	42.60	2.22
5LJBTM		336.46	-2.78	-0.14	337.54	-2.90	-0.15
5RLLKN		327.80	-11.44	-0.57	333.82	-6.62	-0.34
6AFG72	*	378.58	39.35	1.96	357.87	17.43	0.91
7283XZ		304.36	-34.88	-1.74	301.24	-39.20	-2.04
72B1K8		302.41	-36.82	-1.83	301.56	-38.88	-2.03
7HAQD1		318.76	-20.48	-1.02	314.48	-25.96	-1.35
7Q7K6S	X	134,710.02	134,370.78	6,686.94	13,687.08	13,346.64	695.61
7XAGCV		339.40	0.16	0.01	336.40	-4.04	-0.21
849VLW		336.10	-3.14	-0.16	343.56	3.12	0.16
8B6BWG		351.80	12.56	0.63	360.64	20.20	1.05
8ZJFD3		323.46	-15.78	-0.79	323.44	-17.00	-0.89
9V3NY4		347.47	8.23	0.41	361.42	20.99	1.09
ARHSDP		345.53	6.29	0.31	348.90	8.46	0.44
BBPD1G		319.80	-19.44	-0.97	320.20	-20.24	-1.05
C14HQ8		339.57	0.33	0.02	341.36	0.93	0.05
CAPUL6		389.92	50.68	2.52	385.22	44.78	2.33
D9GTHC		346.98	7.74	0.39	348.80	8.36	0.44
DE8YG8		341.74	2.50	0.12	342.78	2.34	0.12
DJJNJ9	X	771.16	431.92	21.49	761.28	420.84	21.93
FA2BLG		316.84	-22.40	-1.11	321.50	-18.94	-0.99
HLGFTA		336.78	-2.46	-0.12	343.12	2.68	0.14
HSG9TD	X	358.22	18.98	0.94	401.44	61.00	3.18
L5PBND		334.29	-4.95	-0.25	339.75	-0.69	-0.04
LHZRWJ		374.29	35.06	1.74	366.39	25.95	1.35
LY1H3L		370.81	31.57	1.57	369.24	28.80	1.50

Plastics Interlaboratory Testing Program

Analysis 708

Modulus of Elasticity - ksi

WebCode	Data Flag	Sample F75 Lab Mean	Sample F75 Diff from Grand Mean	Sample F75 CPV	Sample F76 Lab Mean	Sample F76 Diff from Grand Mean	Sample F76 CPV
NMX8PN		333.66	-5.57	-0.28	334.29	-6.15	-0.32
NU89HB		351.86	12.63	0.63	352.94	12.50	0.65
NW73EV	X	977.40	638.16	31.76	978.80	638.36	33.27
QQU4KU	X	428.48	89.24	4.44	366.82	26.38	1.38
RMDHML		341.48	2.24	0.11	338.17	-2.26	-0.12
S5M9BP		348.44	9.20	0.46	347.80	7.36	0.38
SGKVCY		337.00	-2.24	-0.11	346.60	6.16	0.32
SQ8BR8	X	91.96	-247.28	-12.31	93.30	-247.14	-12.88
TCRKBR		338.49	-0.74	-0.04	343.97	3.54	0.18
TPB588		355.21	15.97	0.79	356.83	16.39	0.85
U34RS7		313.98	-25.26	-1.26	333.70	-6.74	-0.35
U3RFDV		351.38	12.15	0.60	350.03	9.59	0.50
UKYYN1		344.00	4.76	0.24	337.50	-2.94	-0.15
WSC9F5	X	132.08	-207.16	-10.31	131.73	-208.71	-10.88
X5YPP3		350.68	11.44	0.57	338.92	-1.52	-0.08
X6P5VZ	X	250.18	-89.06	-4.43	262.46	-77.98	-4.06
ZB2R8G		303.97	-35.26	-1.75	307.60	-32.84	-1.71

Summary Statistics

	Sample F75	Sample F76
Grand Means	339.235 ksi	340.436 ksi
Stnd Dev Btwn Labs	20.094 ksi	19.187 ksi

Statistics based on 41 of 49 reporting participants

Sample F75: ABS/PC & Sample F76: ABS/PC

Plastics Interlaboratory Testing Program

Analysis 708

Modulus of Elasticity - ksi

Comments on assigned Data Flags for Test #708

7Q7K6S (X) - Extreme data.

DJJNJ9 (X) - Data for both samples are high. Also inconsistent in testing within both sample sets.

HSG9TD (X) - Inconsistent in testing between samples, data for Sample F76 are high. Also inconsistent in testing within Sample F76.

NW73EV (X) - Extreme data.

QQU4KU (X) - Inconsistent in testing between samples, data for Sample F75 are high. Also inconsistent in testing within Sample F75.

SQ8BR8 (X) - Extreme data.

WSC9F5 (X) - Data for both samples are low.

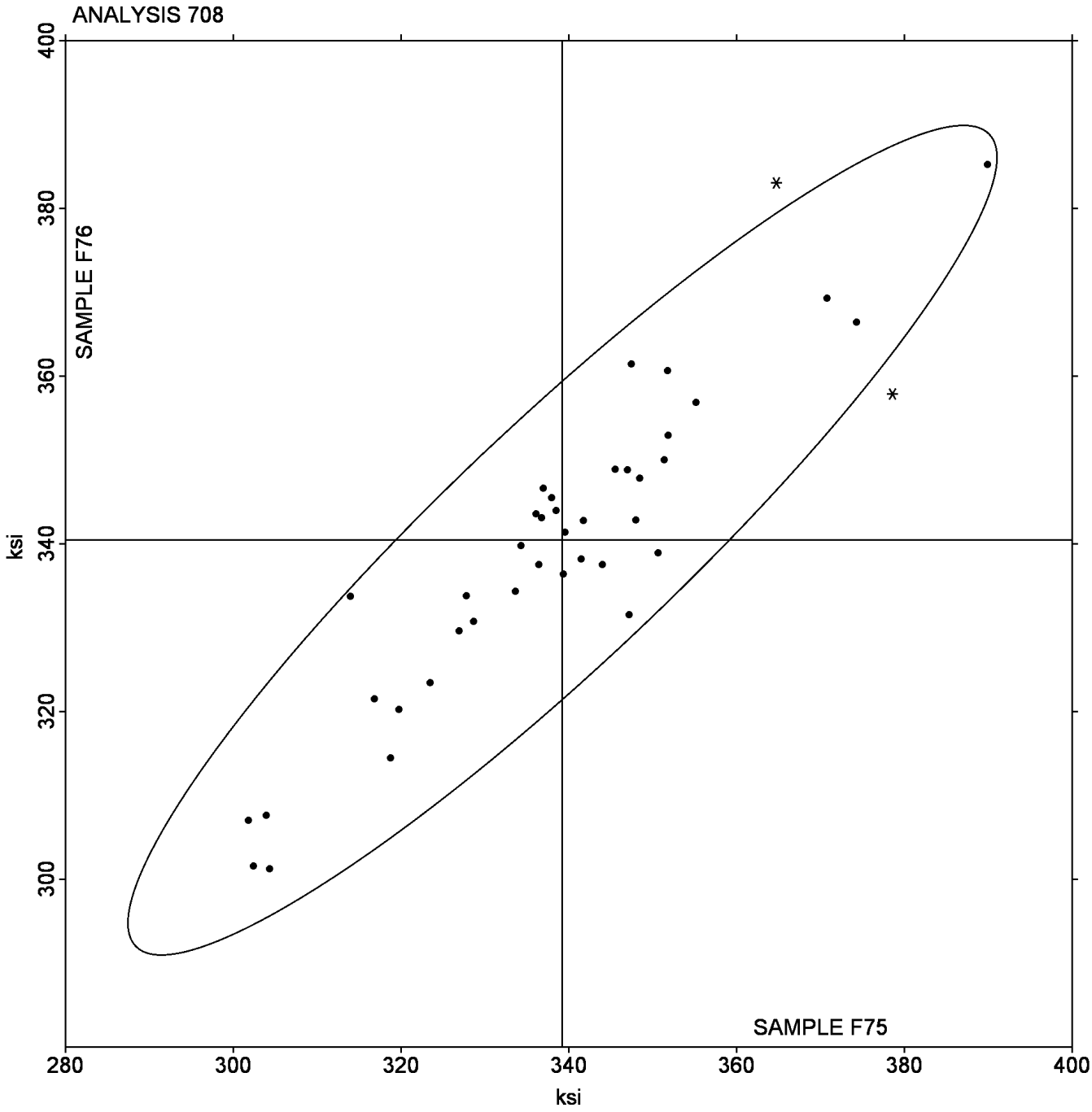
X6P5VZ (X) - Data for both samples are low. Possible Systematic Error.

Plastics Interlaboratory Testing Program

Analysis 708

Modulus of Elasticity - ksi

Grand Mean Sample F75: 339.24 ksi Grand Mean Sample F76: 340.44 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 C75 Lab Mean	Sample C75 Diff from Grand Mean	Sample C75 CPV	Sample C76 Lab Mean	Sample C76 Diff from Grand Mean	Sample C76 CPV
1KJSPC		46.49	-0.58	-0.82	47.35	-1.29	-1.59
1TXJH9		46.31	-0.76	-1.08	47.96	-0.68	-0.84
2FQV9H		47.88	0.81	1.15	49.13	0.49	0.60
2XXGWD		47.13	0.06	0.09	49.49	0.84	1.04
2ZZYS2		47.56	0.49	0.71	48.95	0.31	0.38
34X7ZN		48.53	1.47	2.09	50.21	1.57	1.93
3E5N3F	X	50.32	3.26	4.65	51.89	3.25	3.99
3JGH3Y		47.96	0.89	1.27	49.48	0.84	1.03
3Q6QHB		46.15	-0.91	-1.30	47.49	-1.16	-1.42
3WNB1U		46.65	-0.42	-0.60	47.35	-1.29	-1.59
3YKS6J		48.34	1.27	1.82	50.02	1.38	1.69
48YKL6	*	45.26	-1.81	-2.58	47.08	-1.56	-1.92
5RQEMM		46.93	-0.14	-0.19	48.34	-0.30	-0.37
8HXR99		46.97	-0.09	-0.13	48.46	-0.18	-0.23
9FTF1S		47.31	0.24	0.34	48.62	-0.02	-0.02
9QRVNQ		47.53	0.46	0.65	49.42	0.78	0.95
AB8DBT		46.92	-0.15	-0.21	48.87	0.23	0.28
ANNV9W	X	46.40	-0.67	-0.96	49.44	0.79	0.98
BPXZSZ		47.85	0.78	1.11	49.25	0.61	0.75
BTXPAD		47.01	-0.06	-0.08	48.42	-0.22	-0.27
DE2WBN		46.42	-0.65	-0.92	47.80	-0.84	-1.04
DETQEZ		46.48	-0.59	-0.84	48.46	-0.18	-0.22
DUNJZT		47.71	0.65	0.92	49.34	0.70	0.85
FMP3VC		47.10	0.04	0.05	49.22	0.58	0.71
HXF1K3		46.76	-0.31	-0.44	48.40	-0.25	-0.30
JDE6VR		46.45	-0.62	-0.88	48.20	-0.44	-0.54
KNPQBT		47.32	0.25	0.36	48.92	0.28	0.35
KT8VYM		47.44	0.37	0.53	49.27	0.63	0.77
L2PKPN		48.11	1.05	1.49	50.11	1.47	1.80
LGX54X		46.74	-0.33	-0.47	48.22	-0.43	-0.52
NBJ9ED		47.49	0.42	0.60	49.36	0.72	0.89
NFNNC5		46.60	-0.47	-0.67	48.00	-0.64	-0.79

Plastics Interlaboratory Testing Program

Analysis 730

Tensile Stress at Yield - MPa

WebCode	Data Flag	Sample C75 Lab Mean	Sample C75 Diff from Grand Mean	Sample C75 CPV	Sample C76 Lab Mean	Sample C76 Diff from Grand Mean	Sample C76 CPV
PD7EEJ		47.44	0.37	0.53	49.16	0.52	0.64
Q48ER4		47.21	0.14	0.21	48.09	-0.56	-0.68
S7SEF2		46.45	-0.62	-0.89	47.63	-1.02	-1.25
SEVBNU		46.50	-0.57	-0.81	48.60	-0.04	-0.05
TXV3K7		46.94	-0.13	-0.18	47.94	-0.70	-0.86
U1DKFX		46.50	-0.57	-0.81	48.08	-0.56	-0.69
VTTFT9		47.34	0.27	0.39	49.03	0.39	0.47
WPTECC		46.42	-0.65	-0.92	47.46	-1.18	-1.45
XE11TK	*	45.80	-1.27	-1.81	48.00	-0.64	-0.79
XEFV9E		47.58	0.52	0.74	48.94	0.29	0.36
YQNJL4		46.63	-0.44	-0.63	48.45	-0.19	-0.23
ZDW6Y8		48.28	1.21	1.73	49.94	1.30	1.60
ZHH7NK		46.61	-0.46	-0.65	47.94	-0.70	-0.86
ZLK7TY		47.86	0.79	1.13	49.81	1.17	1.44

Summary Statistics

	Sample C75	Sample C76
Grand Means	47.068 MPa	48.642 MPa
Stnd Dev Btwn Labs	0.701 MPa	0.813 MPa

Statistics based on 44 of 46 reporting participants

Sample C75: ABS & Sample C76: ABS

Comments on assigned Data Flags for Test #730

3E5N3F (X) - Data for both samples are high. Possible Systematic Error.

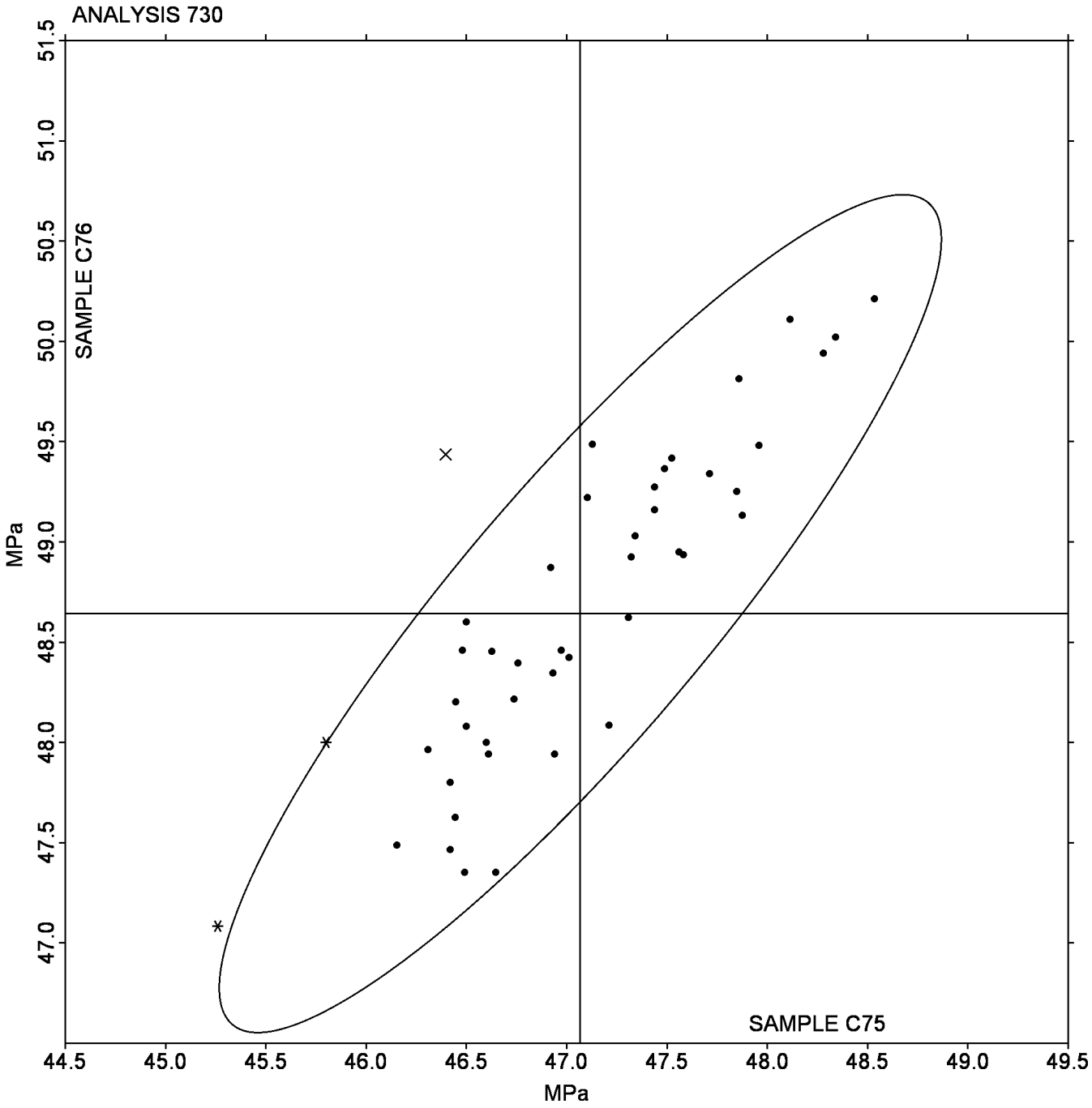
ANNV9W (X) - Inconsistent in testing between samples.

Plastics Interlaboratory Testing Program

Analysis 730

Tensile Stress at Yield - MPa

Grand Mean Sample C75: 47.068 MPa Grand Mean Sample C76: 48.642 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 C75 Lab Mean	Sample C75 Diff from Grand Mean	Sample C75 CPV	Sample C76 Lab Mean	Sample C76 Diff from Grand Mean	Sample C76 CPV
1H15FG		32.28	-2.25	-1.29	33.77	-2.16	-1.07
28XW3Q		36.03	1.50	0.86	37.36	1.43	0.70
2ZSKSZ	*	35.23	0.69	0.40	40.95	5.02	2.47
3CRCVA		36.38	1.85	1.06	38.50	2.57	1.27
3JKLN2		33.27	-1.26	-0.72	35.11	-0.82	-0.40
4E6ZD3		34.21	-0.32	-0.18	35.56	-0.37	-0.18
53B9N9		35.59	1.06	0.61	35.02	-0.91	-0.45
5MFLYC		34.61	0.08	0.04	35.77	-0.16	-0.08
88Y4FX		32.04	-2.49	-1.43	35.54	-0.39	-0.19
8EU73F		32.54	-1.99	-1.14	34.70	-1.23	-0.61
8SP766		36.96	2.43	1.39	37.03	1.10	0.54
AYQDBR		33.72	-0.81	-0.47	34.32	-1.61	-0.79
C5TT2X		36.00	1.47	0.84	37.78	1.85	0.91
DMBAZ5		37.39	2.86	1.64	38.58	2.65	1.31
EF4Q6E		35.25	0.72	0.41	37.22	1.29	0.64
EQG6E7		32.82	-1.72	-0.98	32.85	-3.08	-1.52
HWCDS3		34.40	-0.13	-0.08	34.60	-1.33	-0.66
JSXTCP		33.67	-0.86	-0.49	34.84	-1.09	-0.54
KF134G		34.66	0.13	0.07	35.06	-0.87	-0.43
KULK2Z		36.77	2.24	1.29	35.23	-0.70	-0.35
LA7ZP9		33.34	-1.19	-0.68	34.70	-1.23	-0.61
NJTDLK	*	39.46	4.93	2.83	38.93	3.00	1.48
NMC8NQ		32.81	-1.72	-0.99	34.80	-1.13	-0.56
PG7Q8W		33.91	-0.62	-0.36	35.30	-0.63	-0.31
PWMPCQ		34.09	-0.45	-0.26	33.69	-2.24	-1.11
RVG9WV		34.74	0.21	0.12	36.08	0.15	0.07
TCZK5F		34.20	-0.33	-0.19	34.77	-1.16	-0.57
U5EWN4		35.96	1.43	0.82	39.41	3.48	1.72
UJL6VJ		36.01	1.48	0.85	37.01	1.08	0.53
UYK3AA		33.88	-0.65	-0.37	34.79	-1.14	-0.56
V1ZZE7		34.10	-0.43	-0.24	33.97	-1.96	-0.97
VVKUEJ		36.64	2.10	1.21	40.87	4.94	2.44

Plastics Interlaboratory Testing Program

Analysis 731

Tensile Stress at Break - MPa

WebCode	Data Flag	Sample C75 Lab Mean	Sample C75 Diff from Grand Mean	Sample C75 CPV	Sample C76 Lab Mean	Sample C76 Diff from Grand Mean	Sample C76 CPV
WGAAZ6		32.71	-1.82	-1.05	34.09	-1.84	-0.91
X71V6Q		35.83	1.30	0.75	38.09	2.16	1.07
X75JFF		31.89	-2.64	-1.52	36.35	0.42	0.21
YGZ2AN		31.60	-2.93	-1.68	34.20	-1.73	-0.85
YZT6CW		32.87	-1.66	-0.95	33.17	-2.76	-1.36
ZRVSXP		34.31	-0.22	-0.12	35.37	-0.56	-0.28

Summary Statistics

	Sample C75	Sample C76
Grand Means	34.531 MPa	35.931 MPa
Stnd Dev Btwn Labs	1.744 MPa	2.027 MPa

Statistics based on 38 of 38 reporting participants

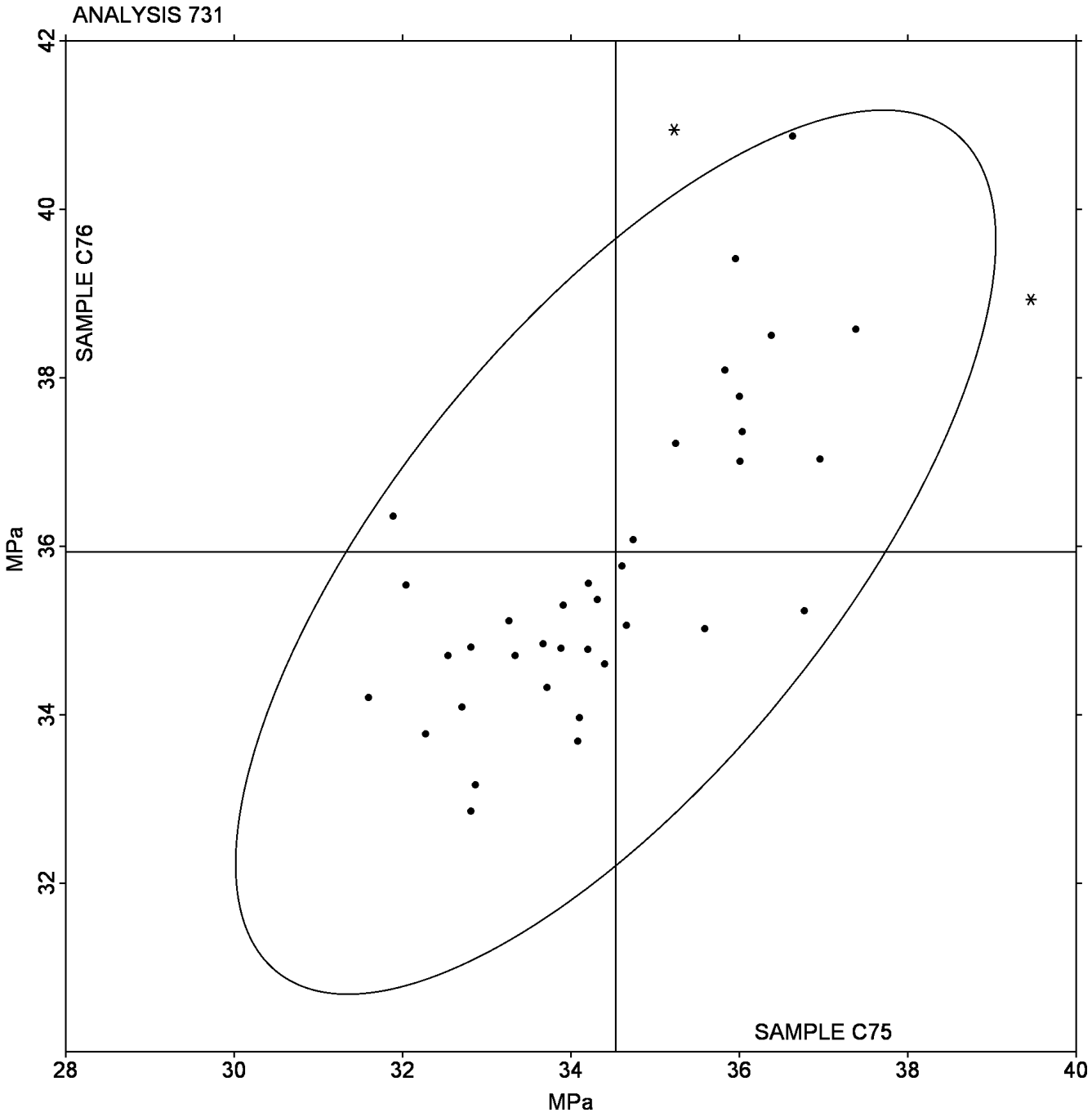
Sample C75: ABS & Sample C76: ABS

Plastics Interlaboratory Testing Program

Analysis 731

Tensile Stress at Break - MPa

Grand Mean Sample C75: 34.531 MPa Grand Mean Sample C76: 35.931 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 C75 Lab Mean	Sample C75 Diff from Grand Mean	Sample C75 CPV	Sample C76 Lab Mean	Sample C76 Diff from Grand Mean	Sample C76 CPV
1NLAR4		2.710	0.020	0.19	2.649	0.032	0.30
2KP73R	*	2.684	-0.006	-0.06	2.448	-0.169	-1.58
38GR6H	X	1.662	-1.028	-9.85	1.400	-1.217	-11.37
46BMJW		2.680	-0.010	-0.10	2.620	0.003	0.03
4LFKRL		2.624	-0.066	-0.63	2.528	-0.089	-0.83
4RA9SD	*	2.750	0.060	0.57	2.842	0.225	2.10
4X753H		2.720	0.030	0.29	2.664	0.047	0.44
4Z4B7G		2.740	0.050	0.48	2.642	0.025	0.24
4ZVMBQ		2.678	-0.012	-0.11	2.586	-0.031	-0.29
57BZ3W		2.682	-0.008	-0.08	2.610	-0.007	-0.06
65V785	*	2.420	-0.270	-2.59	2.360	-0.257	-2.40
6RUMSN	*	2.948	0.258	2.47	2.900	0.283	2.65
6YVBGY		2.866	0.176	1.69	2.732	0.115	1.08
7X42DU		2.632	-0.058	-0.56	2.550	-0.067	-0.62
814UBT		2.604	-0.086	-0.82	2.566	-0.051	-0.48
84Q1WF		2.868	0.178	1.70	2.752	0.135	1.26
99WL8Y		2.592	-0.098	-0.94	2.478	-0.139	-1.30
AD7WZ7		2.550	-0.140	-1.34	2.516	-0.101	-0.94
ALH1Y6		2.764	0.074	0.71	2.736	0.119	1.11
CDBB5R		2.640	-0.050	-0.48	2.572	-0.045	-0.42
FTG3LJ		2.900	0.210	2.01	2.712	0.095	0.89
KLFJZD		2.768	0.078	0.75	2.690	0.073	0.68
M72PER		2.734	0.044	0.42	2.636	0.019	0.18
P5TPQY		2.656	-0.034	-0.33	2.628	0.011	0.10
PQ3GX6	X	3.604	0.914	8.75	3.576	0.959	8.96
Q4CVBS		2.552	-0.138	-1.32	2.514	-0.103	-0.96
QD5RHX		2.580	-0.110	-1.05	2.500	-0.117	-1.09
QUGWCV		2.718	0.028	0.27	2.622	0.005	0.05
R5AU9E		2.728	0.038	0.36	2.604	-0.013	-0.12
S4P6AL		2.706	0.016	0.15	2.688	0.071	0.67
SB321D		2.804	0.114	1.09	2.778	0.161	1.51
USYAYA		2.692	0.002	0.02	2.660	0.043	0.40

Plastics Interlaboratory Testing Program

Analysis 732

Percent Strain at Yield

WebCode	Data Flag	Sample C75 Lab Mean	Sample C75 Diff from Grand Mean	Sample C75 CPV	Sample C76 Lab Mean	Sample C76 Diff from Grand Mean	Sample C76 CPV
VV45G6		2.686	-0.004	-0.04	2.570	-0.047	-0.44
WW6G8D		2.670	-0.020	-0.19	2.594	-0.023	-0.21
X3ENUG		2.558	-0.132	-1.26	2.626	0.009	0.09
X4EG33		2.676	-0.014	-0.13	2.608	-0.009	-0.08
X751HY		2.606	-0.084	-0.80	2.554	-0.063	-0.59
XDA2U8		2.624	-0.066	-0.63	2.548	-0.069	-0.64
YAFY4L		2.720	0.030	0.29	2.540	-0.077	-0.72

Summary Statistics

	Sample C75	Sample C76
Grand Means	2.6900 Percent	2.6168 Percent
Stnd Dev Btwn Labs	0.1044 Percent	0.1070 Percent

Statistics based on 37 of 39 reporting participants

Sample C75: ABS & Sample C76: ABS

Comments on assigned Data Flags for Test #732

38GR6H (X) - Data for both samples are low.

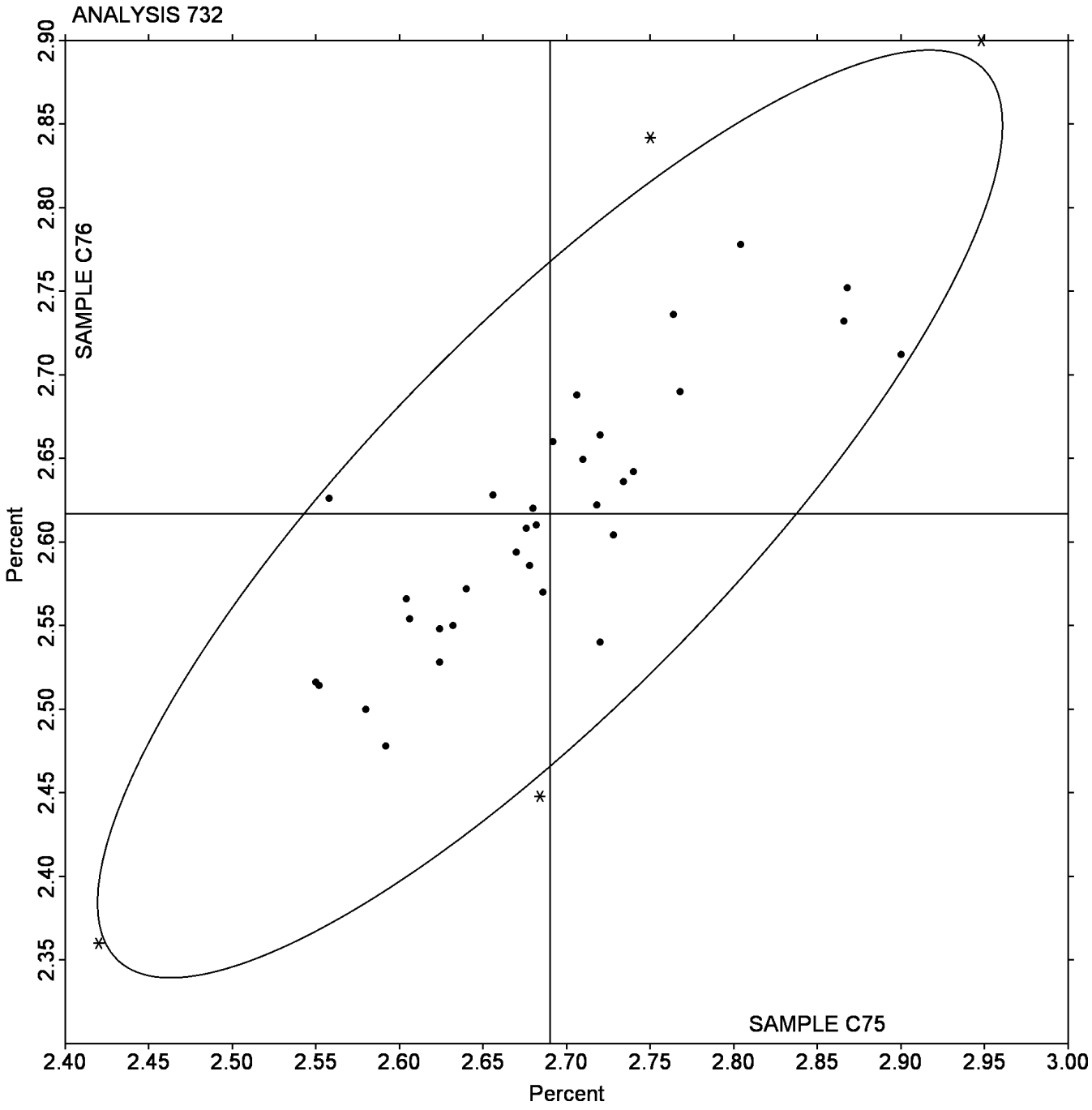
PQ3GX6 (X) - Data for both samples are high.

Plastics Interlaboratory Testing Program

Analysis 732

Percent Strain at Yield

Grand Mean Sample C75: 2.6900 Percent Grand Mean Sample C76: 2.6168 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 C75 Lab Mean	Sample C75 Diff from Grand Mean	Sample C75 CPV	Sample C76 Lab Mean	Sample C76 Diff from Grand Mean	Sample C76 CPV
18AYMZ		2,357	6	0.05	2,461	15	0.11
1WU8JP		2,286	-66	-0.55	2,382	-64	-0.46
1YQKT8		2,544	193	1.60	2,656	210	1.52
4F9VKY		2,362	11	0.09	2,342	-104	-0.75
4QLBSD		2,257	-94	-0.78	2,343	-103	-0.75
86P8LS		2,207	-145	-1.21	2,313	-133	-0.96
8FQ7VT		2,638	286	2.38	2,700	254	1.84
8PGGPW	*	2,450	98	0.82	2,385	-61	-0.44
9CWUC9	X	2,692	340	2.83	2,603	157	1.14
9SQYN4	*	2,364	12	0.10	2,665	219	1.58
BRC78F		2,200	-152	-1.26	2,281	-165	-1.19
BXUQGG		2,428	76	0.64	2,582	136	0.98
DF9LCF		2,099	-252	-2.10	2,190	-256	-1.85
DP6HDL		2,224	-127	-1.06	2,366	-80	-0.58
F1TCJF		2,504	152	1.26	2,578	132	0.95
KCYLYZ		2,271	-80	-0.67	2,372	-74	-0.53
KDSXTM		2,416	65	0.54	2,549	103	0.75
KHAHVM		2,272	-79	-0.66	2,394	-52	-0.38
L86AUF		2,325	-27	-0.22	2,434	-12	-0.09
LVRJMS		2,367	15	0.13	2,467	21	0.15
NRQCF6		2,266	-86	-0.71	2,324	-122	-0.88
P8BWSR		2,486	134	1.12	2,652	206	1.49
Q26DCW		2,476	125	1.04	2,441	-5	-0.03
RNM43U		2,460	108	0.90	2,596	150	1.09
RR86EZ		2,514	163	1.35	2,669	223	1.61
RZF1BD		2,230	-122	-1.01	2,320	-126	-0.91
TS334R	X	4,800	2,449	20.37	6,372	3,926	28.38
TUE3PZ		2,537	185	1.54	2,706	260	1.88
UAVLPL		2,197	-154	-1.28	2,269	-177	-1.28
UC8SDS		2,335	-17	-0.14	2,400	-46	-0.33
VYJP8P		2,300	-51	-0.43	2,347	-99	-0.71
X3G12Y		2,270	-82	-0.68	2,348	-98	-0.70

Plastics Interlaboratory Testing Program

Analysis 734

Modulus of Elasticity - MPa

WebCode	Data Flag	Sample C75 Lab Mean	Sample C75 Diff from Grand Mean	Sample C75 CPV	Sample C76 Lab Mean	Sample C76 Diff from Grand Mean	Sample C76 CPV
XWNSWZ		2,335	-17	-0.14	2,425	-21	-0.15
XZ8UN6		2,319	-32	-0.27	2,386	-60	-0.43
YQ3K6Y		2,326	-25	-0.21	2,420	-26	-0.18
ZNP5QX		2,332	-20	-0.16	2,397	-49	-0.35

Summary Statistics

	Sample C75	Sample C76
Grand Means	2,351.6 MPa	2,445.9 MPa
Stnd Dev Btwn Labs	120.2 MPa	138.4 MPa

Statistics based on 34 of 36 reporting participants

Sample C75: ABS & Sample C76: ABS

Comments on assigned Data Flags for Test #734

9CWUC9 (X) - Inconsistent in testing between samples, data for Sample C75 are high.

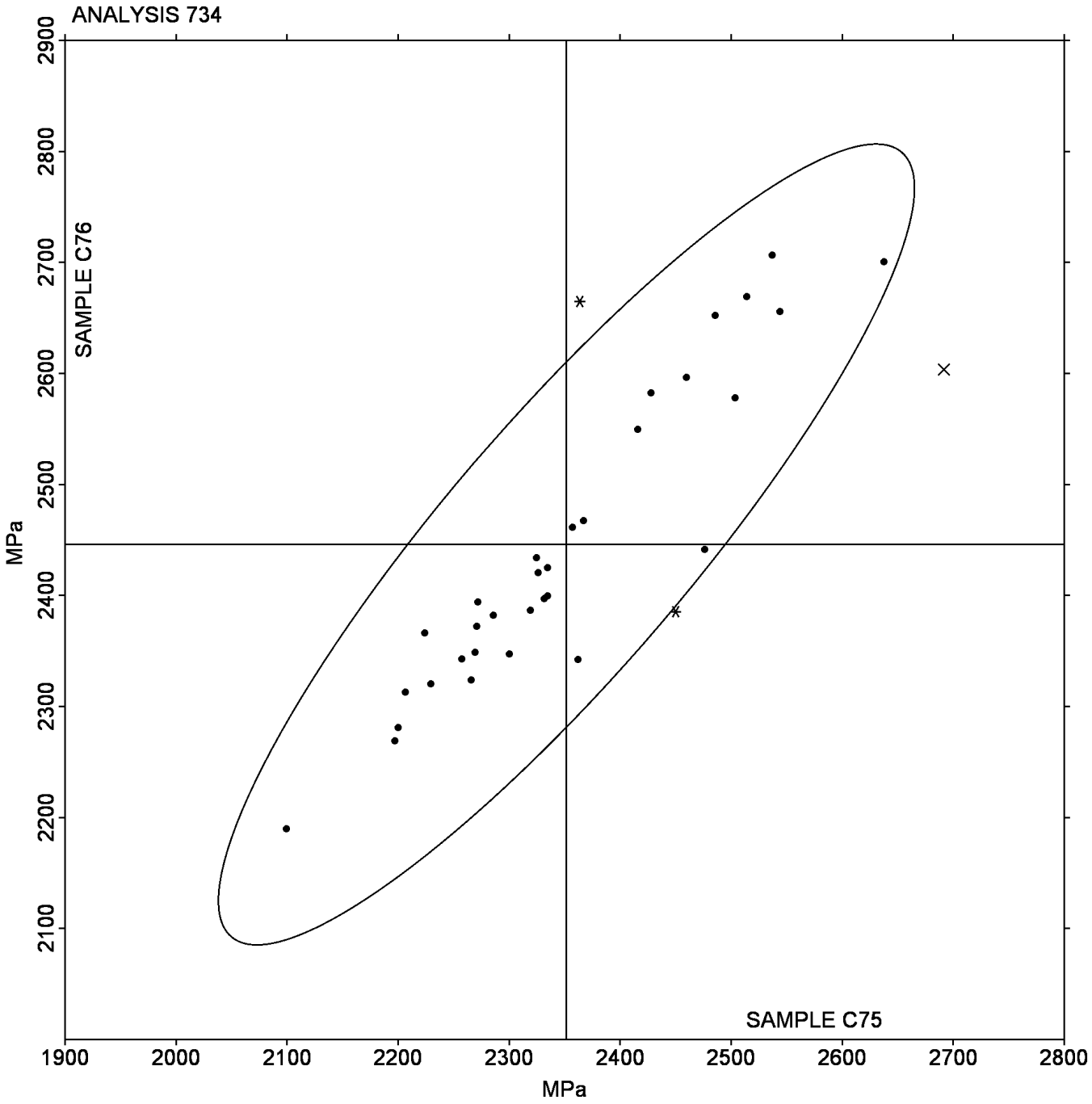
TS334R (X) - Data for both samples are high. Also inconsistent in testing within both sample sets.

Plastics Interlaboratory Testing Program

Analysis 734

Modulus of Elasticity - MPa

Grand Mean Sample C75: 2,351.62 MPa Grand Mean Sample C76: 2,445.94 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 720

Flexural Modulus- ksi

WebCode	Data Flag	Sample J75 Lab Mean	Sample J75 Diff from Grand Mean	Sample J75 CPV	Sample J76 Lab Mean	Sample J76 Diff from Grand Mean	Sample J76 CPV
1G6S45		363.5	-0.5	-0.03	345.9	-6.7	-0.48
1WETE8		367.0	3.0	0.21	353.4	0.8	0.06
2AJEP3		363.6	-0.4	-0.03	356.3	3.7	0.26
2FUQ8R		367.2	3.2	0.22	354.8	2.1	0.15
38DG61		362.6	-1.4	-0.10	350.0	-2.7	-0.19
3RX8DS		349.5	-14.5	-1.01	342.9	-9.8	-0.70
567SC6		364.7	0.8	0.05	350.4	-2.3	-0.16
56SB8U		343.1	-20.9	-1.45	332.9	-19.7	-1.41
5SDVLB		360.8	-3.2	-0.22	356.0	3.3	0.24
61V2JD		370.4	6.4	0.44	359.2	6.6	0.47
6H33HS		384.2	20.2	1.40	367.1	14.4	1.03
6SP5VA		353.4	-10.6	-0.74	340.6	-12.0	-0.86
7813RN		358.7	-5.3	-0.37	351.4	-1.3	-0.09
87LL4E	X	364.5	0.5	0.03	335.4	-17.2	-1.23
91NC1R		376.7	12.7	0.88	360.1	7.5	0.53
A13Q1H		385.0	21.0	1.46	380.7	28.0	2.00
ALS118		357.6	-6.4	-0.44	350.7	-2.0	-0.14
AYL4R9		378.8	14.8	1.03	370.7	18.0	1.29
AYMC8Z		376.0	12.0	0.83	358.0	5.3	0.38
CWTTAB		367.9	3.9	0.27	354.3	1.7	0.12
CXAJGG		339.7	-24.3	-1.69	329.2	-23.4	-1.67
D57CLT		373.4	9.4	0.65	360.2	7.5	0.54
DXA6P1		346.2	-17.8	-1.24	336.3	-16.3	-1.16
EFRNNS		340.4	-23.6	-1.64	327.9	-24.7	-1.76
EJ2NPK		346.6	-17.4	-1.21	338.0	-14.7	-1.05
EXFMZL		370.7	6.7	0.47	355.5	2.8	0.20
EZKBBE		350.4	-13.6	-0.95	337.9	-14.8	-1.05
FNEAVG		365.5	1.5	0.10	350.4	-2.2	-0.16
FPT5PG		373.0	9.0	0.63	350.6	-2.1	-0.15
G422F3		363.9	-0.1	-0.01	357.6	4.9	0.35
G5QQ24		340.5	-23.5	-1.64	331.7	-21.0	-1.49
GL57JX	*	375.9	11.9	0.82	352.9	0.3	0.02

Plastics Interlaboratory Testing Program

Analysis 720

Flexural Modulus- ksi

WebCode	Data Flag	Sample J75 Lab Mean	Sample J75 Diff from Grand Mean	Sample J75 CPV	Sample J76 Lab Mean	Sample J76 Diff from Grand Mean	Sample J76 CPV
GS1PRP		356.6	-7.4	-0.51	340.5	-12.1	-0.87
HWNE7Y		368.1	4.1	0.29	356.0	3.3	0.24
J1T93Y		380.3	16.3	1.14	369.5	16.8	1.20
KBH2YG		339.5	-24.5	-1.70	330.3	-22.3	-1.59
KRH7EC		381.3	17.3	1.20	365.3	12.7	0.90
LR8ELP		383.5	19.5	1.35	373.2	20.6	1.47
M6AGG9		346.6	-17.4	-1.21	338.5	-14.2	-1.01
MLJRN3		370.8	6.8	0.47	360.4	7.7	0.55
MT9VDC		365.2	1.2	0.08	349.0	-3.7	-0.26
NED5HK		370.5	6.5	0.45	358.1	5.5	0.39
RK1DPH		344.0	-20.0	-1.39	339.2	-13.5	-0.96
SH8BCT		369.8	5.8	0.40	364.0	11.3	0.81
SJ3Y4P		372.1	8.1	0.57	359.4	6.8	0.48
SV7R4W		349.8	-14.2	-0.99	345.1	-7.6	-0.54
TJL5YZ		339.9	-24.1	-1.68	329.8	-22.8	-1.63
UKBUHS		380.5	16.5	1.15	368.7	16.0	1.14
UX3CCC		362.0	-2.0	-0.14	352.6	-0.1	0.00
UZ88B3		382.0	18.0	1.25	372.2	19.5	1.39
V6SVHS		362.6	-1.4	-0.09	356.3	3.7	0.26
WKPYBA		351.8	-12.2	-0.84	337.8	-14.9	-1.06
WLJPF4		367.6	3.6	0.25	365.4	12.7	0.91
WQ6LH7		376.2	12.2	0.85	372.6	19.9	1.42
WZW4FE		379.6	15.6	1.09	367.6	15.0	1.07
X7W6D7	*	331.7	-32.3	-2.25	317.5	-35.1	-2.51
XBC1E6		358.0	-6.0	-0.42	344.9	-7.8	-0.56
XF8P5Y		392.9	28.9	2.01	382.0	29.4	2.09
XVXFJD		384.8	20.8	1.45	367.4	14.7	1.05
XYU5KT		371.2	7.2	0.50	359.6	6.9	0.49

Plastics Interlaboratory Testing Program

Analysis 720

Flexural Modulus- ksi

Summary Statistics

Grand Means				
	363.99	ksi	352.66	ksi
Stnd Dev Btwn Labs				
	14.39	ksi	14.03	ksi

Statistics based on 59 of 60 reporting participants

Sample J75: ABS & Sample J76: ABS

Comments on assigned Data Flags for Test #720

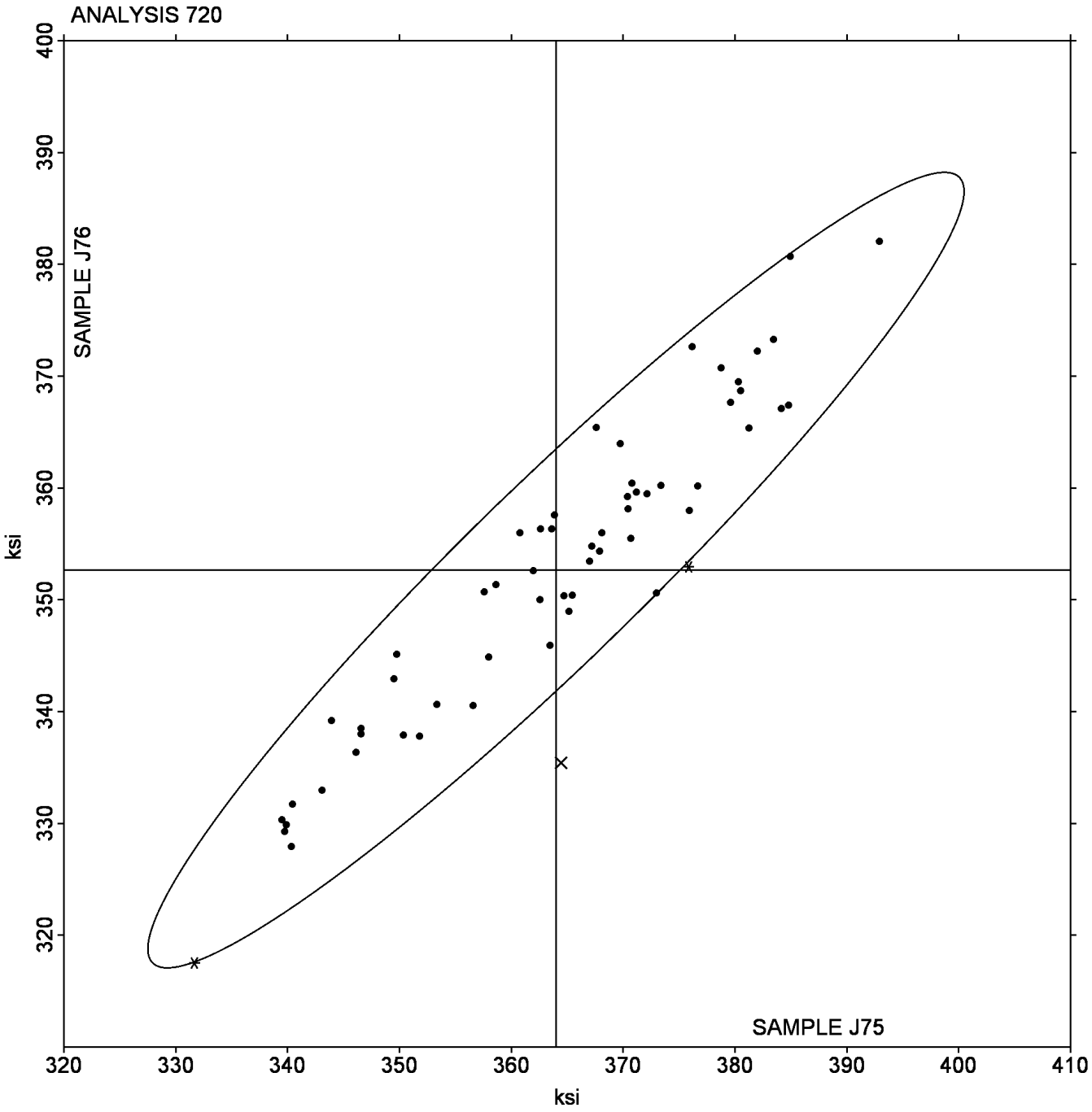
87LL4E (X) - Inconsistent in testing between samples.

Plastics Interlaboratory Testing Program

Analysis 720

Flexural Modulus- ksi

Grand Mean Sample J75: 363.99 ksi Grand Mean Sample J76: 352.66 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 J75 Lab Mean	Sample J75 Diff from Grand Mean	Sample J75 CPV	Sample J76 Lab Mean	Sample J76 Diff from Grand Mean	Sample J76 CPV
1UBX4X		10,346	-541	-1.73	10,048	-480	-1.39
2B9MP6		10,982	95	0.30	10,575	47	0.14
68GZJM		10,914	27	0.09	10,539	11	0.03
6TYEJ2		10,316	-571	-1.82	10,089	-439	-1.28
82RS7C		11,015	128	0.41	10,386	-142	-0.41
8XGT18		11,027	140	0.45	10,704	176	0.51
A4ZBNY		10,879	-8	-0.02	10,549	21	0.06
BEJSEW		10,870	-17	-0.05	10,599	71	0.21
BV7K5H		10,414	-473	-1.51	10,023	-505	-1.46
BW7RHW	X	10,000	-887	-2.83	10,000	-528	-1.53
CTLNB5		10,493	-394	-1.26	10,071	-457	-1.33
DG7JJL		11,447	560	1.79	11,013	485	1.41
DV8AHJ		11,020	133	0.42	10,658	130	0.38
ELDHAB		11,390	503	1.61	11,004	476	1.38
EUP81G		11,127	240	0.76	11,014	486	1.41
FFFFL3		11,170	283	0.90	10,795	267	0.78
FFW25M	*	10,747	-140	-0.45	10,057	-471	-1.37
FLD31K		10,777	-110	-0.35	10,470	-58	-0.17
FUNKAR		11,374	487	1.55	11,002	474	1.38
GDUWM5		10,881	-6	-0.02	10,466	-62	-0.18
GN6VUN		10,687	-200	-0.64	10,084	-444	-1.29
HAZMUA	*	11,139	252	0.80	10,472	-56	-0.16
HCCJMU		10,975	88	0.28	10,538	10	0.03
K66NZZ		10,643	-244	-0.78	10,173	-355	-1.03
LPM37X		11,028	141	0.45	10,697	169	0.49
LY66ZY		10,970	83	0.27	10,684	156	0.45
MVAE1T		10,919	32	0.10	10,444	-84	-0.24
NFDMX9		11,052	165	0.53	10,656	128	0.37
NUZWT9		11,413	526	1.68	11,302	774	2.25
QRNF6M		10,450	-437	-1.39	10,105	-423	-1.23
R4PZ5Z	*	11,654	767	2.45	11,481	953	2.77
RZXFNP		11,081	194	0.62	10,813	285	0.83

Plastics Interlaboratory Testing Program

Analysis 721

Flexural Stress at 5% Strain - psi

WebCode	Data Flag	Sample J75 Lab Mean	Sample J75 Diff from Grand Mean	Sample J75 CPV	Sample J76 Lab Mean	Sample J76 Diff from Grand Mean	Sample J76 CPV
TXJ95B		10,842	-45	-0.14	10,496	-32	-0.09
UFUE6E		10,901	14	0.05	10,573	45	0.13
UHQWN8		10,851	-36	-0.12	10,512	-16	-0.05
UR8Q55		10,762	-125	-0.40	10,426	-102	-0.30
UTYA73		10,741	-146	-0.47	10,577	49	0.14
UZH1BA		10,840	-47	-0.15	10,600	72	0.21
VLZL74	X	12,014	1,127	3.60	12,039	1,511	4.39
WLL6Z9		10,608	-279	-0.89	10,347	-181	-0.53
WSLRSG		11,004	117	0.37	10,574	46	0.13
XMYNRB		10,805	-82	-0.26	10,542	14	0.04
XNZUDK		10,926	39	0.12	10,559	31	0.09
XV974Q		10,263	-624	-1.99	9,998	-530	-1.54
YTRAU5		10,399	-488	-1.56	9,990	-538	-1.56

Summary Statistics

	Sample J75	Sample J76
Grand Means	10,886.9 psi	10,528.1 psi
Stnd Dev Btwn Labs	313.3 psi	344.5 psi

Statistics based on 43 of 45 reporting participants

Sample J75: ABS & Sample J76: ABS

Comments on assigned Data Flags for Test #721

BW7RHW (X) - Inconsistent in testing between samples, data for Sample J75 are low.

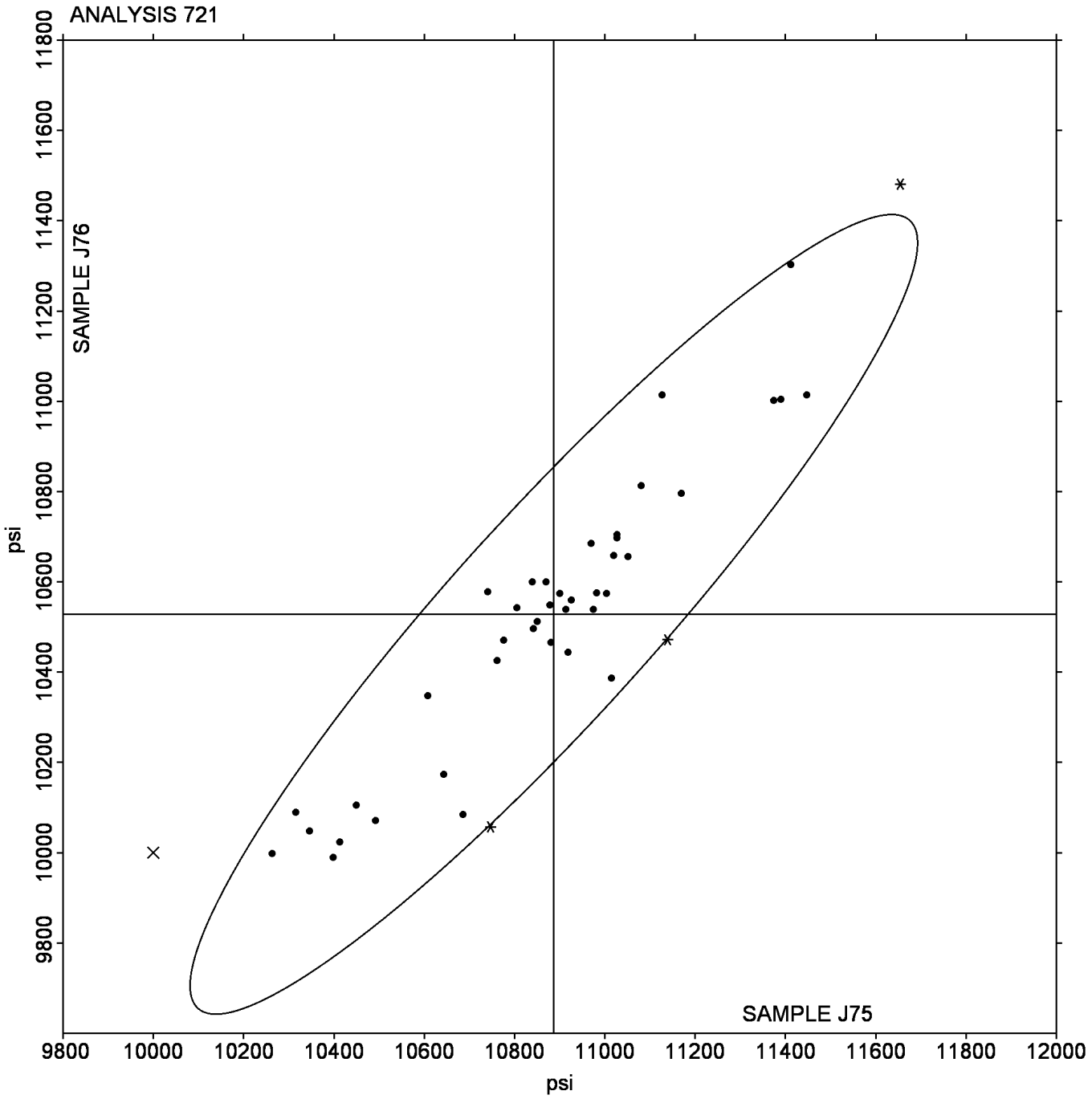
VLZL74 (X) - Data for both samples are high. Possible Systematic Error.

Plastics Interlaboratory Testing Program

Analysis 721

Flexural Stress at 5% Strain - psi

Grand Mean Sample J75: 10,886.94 psi Grand Mean Sample J76: 10,528.07 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 J75 Lab Mean	Sample J75 Diff from Grand Mean	Sample J75 CPV	Sample J76 Lab Mean	Sample J76 Diff from Grand Mean	Sample J76 CPV
14765M		10,297	-617	-1.87	10,032	-517	-1.48
2H3EH9	*	11,439	526	1.60	11,329	780	2.24
2Z9783		10,803	-111	-0.34	10,216	-333	-0.96
3M7527		10,738	-175	-0.53	10,256	-293	-0.84
3YNV12		10,882	-31	-0.10	10,471	-78	-0.22
6V6FPT		10,360	-553	-1.68	10,018	-531	-1.53
7LE8MU	*	10,054	-859	-2.61	9,896	-653	-1.88
7XA223		10,859	-54	-0.16	10,400	-149	-0.43
893WXX	X	10,000	-913	-2.77	10,000	-549	-1.58
8UM15U		11,065	152	0.46	10,612	63	0.18
8XZDGV		11,257	343	1.04	10,690	141	0.40
9LGG7S		10,812	-101	-0.31	10,507	-42	-0.12
9Z898K		10,447	-467	-1.42	10,068	-481	-1.38
AHG8KM		10,646	-268	-0.81	10,173	-376	-1.08
BAPYGV		10,903	-11	-0.03	10,622	73	0.21
BWLMVX		10,368	-545	-1.65	10,154	-395	-1.14
C7KQRS		11,402	489	1.48	11,016	467	1.34
CV58SL		10,860	-53	-0.16	10,640	91	0.26
D3JDE5		10,919	5	0.02	10,597	47	0.14
DUX8WK		11,028	115	0.35	10,666	117	0.34
EMV37F		11,188	274	0.83	10,995	446	1.28
ENM9BZ		10,990	77	0.23	10,565	16	0.05
FQNGGH		11,092	179	0.54	10,823	274	0.79
GBQR3C		10,964	50	0.15	10,553	4	0.01
GNB8BH		10,939	26	0.08	10,459	-90	-0.26
GPPWVH		10,765	-148	-0.45	10,617	68	0.20
H3LMPZ		11,236	322	0.98	10,835	286	0.82
JFWWTN		11,028	115	0.35	10,618	69	0.20
JRSP16		11,334	421	1.28	10,971	422	1.21
JTGJYV		11,047	133	0.40	10,712	163	0.47
LW365U		11,046	133	0.40	10,407	-142	-0.41
N1ZVZQ		10,496	-417	-1.27	10,133	-416	-1.19

Plastics Interlaboratory Testing Program

Analysis 722

Flexural Stress at Yield - psi

WebCode	Data Flag	Sample J75 Lab Mean	Sample J75 Diff from Grand Mean	Sample J75 CPV	Sample J76 Lab Mean	Sample J76 Diff from Grand Mean	Sample J76 CPV
NK8JBW	*	11,668	755	2.29	11,504	955	2.74
PUTGWZ		10,914	0	0.00	10,717	168	0.48
PWFQW7		10,930	17	0.05	10,498	-51	-0.15
QWX1J7		10,425	-488	-1.48	10,029	-520	-1.49
RFN4PS		11,397	484	1.47	10,896	347	1.00
SGTYMA		10,841	-73	-0.22	10,542	-7	-0.02
SYV9FT		10,602	-311	-0.94	10,215	-334	-0.96
TMQLRA		10,915	1	0.00	10,551	2	0.00
VH21GD		10,822	-91	-0.28	10,546	-3	-0.01
VKS61X	X	12,205	1,292	3.92	12,309	1,760	5.06
VM23S8		11,294	381	1.16	11,046	497	1.43
VZ755Q		10,892	-22	-0.07	10,477	-72	-0.21
WBJVQB		10,923	10	0.03	10,579	30	0.09
WEH3Y2		11,479	566	1.72	11,043	494	1.42
WS1JGM		10,943	30	0.09	10,590	41	0.12
XBFM75	*	10,747	-167	-0.51	10,057	-492	-1.41
YM85SJ		10,711	-202	-0.61	10,256	-293	-0.84
Z5PLZG		11,074	161	0.49	10,755	206	0.59

Summary Statistics

	Sample J75	Sample J76
Grand Means	10,913.4 psi	10,549.1 psi
Stnd Dev Btwn Labs	329.3 psi	348.2 psi

Statistics based on 48 of 50 reporting participants

Sample J75: ABS & Sample J76: ABS

Comments on assigned Data Flags for Test #722

893WXX (X) - Inconsistent in testing between samples, data for Sample J75 are low.

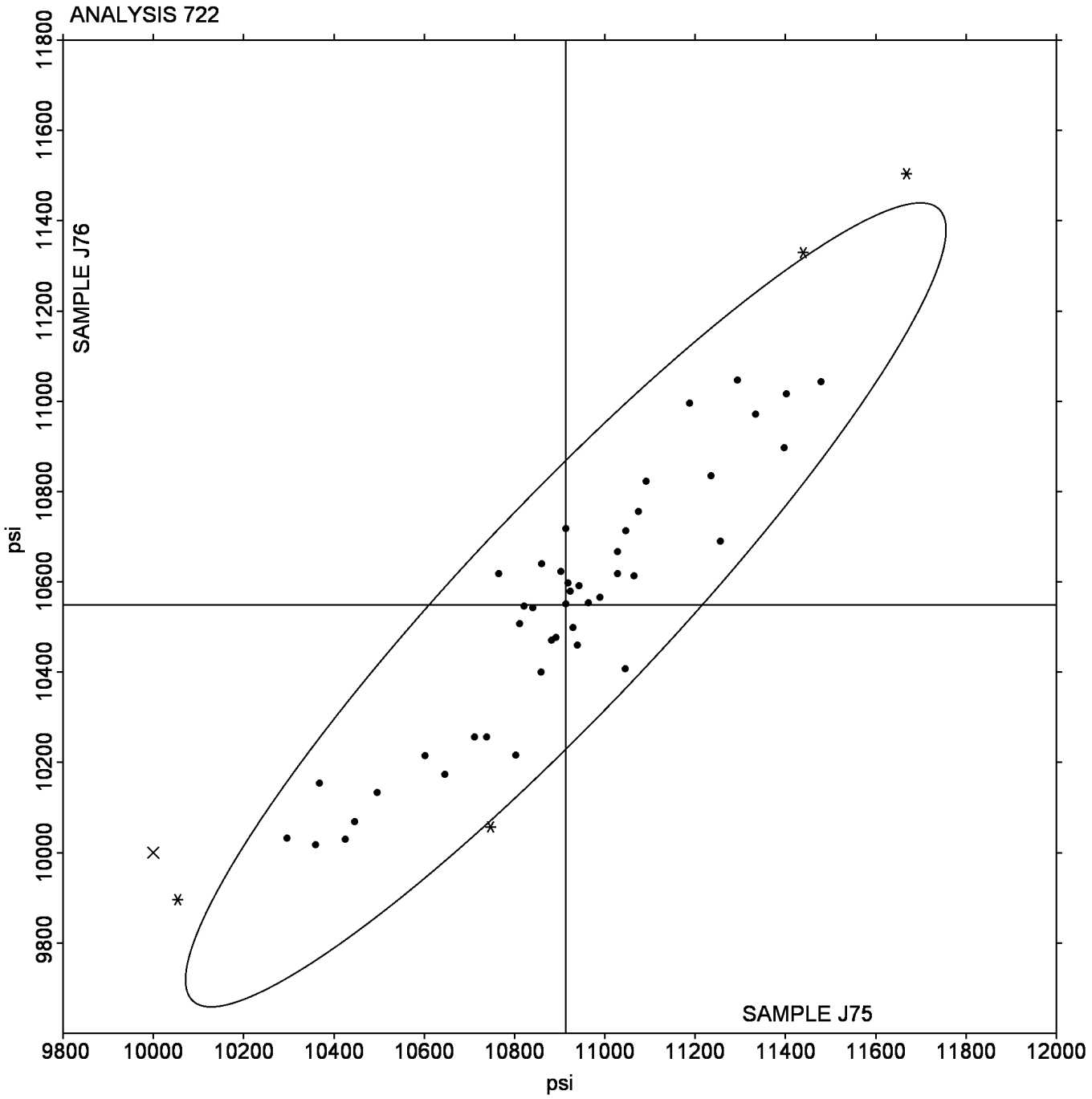
VKS61X (X) - Data for both samples are high. Possible Systematic Error.

Plastics Interlaboratory Testing Program

Analysis 722

Flexural Stress at Yield - psi

Grand Mean Sample J75: 10,913.40 psi Grand Mean Sample J76: 10,549.06 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 K75 Lab Mean	Sample K75 Diff from Grand Mean	Sample K75 CPV	Sample K76 Lab Mean	Sample K76 Diff from Grand Mean	Sample K76 CPV
25XB3H	X	2,557	253	3.96	2,313	4	0.05
2YZMLD		2,410	106	1.66	2,408	99	1.41
3544YS		2,243	-60	-0.94	2,247	-62	-0.89
36JBJP		2,279	-25	-0.38	2,276	-33	-0.47
3UPRYG		2,324	20	0.32	2,339	29	0.42
42F2H6		2,328	25	0.38	2,330	20	0.29
4XYSBU		2,318	14	0.22	2,278	-31	-0.45
5YKYRH		2,351	47	0.74	2,316	7	0.10
6XTYQR		2,284	-20	-0.32	2,287	-23	-0.32
77UV17		2,242	-62	-0.97	2,261	-48	-0.69
795BPB		2,350	47	0.73	2,387	78	1.11
7P9WKT		2,331	27	0.42	2,390	81	1.15
7XJSJM		2,368	64	1.01	2,362	53	0.75
9G7QDC		2,206	-97	-1.52	2,202	-108	-1.54
9X4B65		2,183	-121	-1.90	2,179	-130	-1.86
BUY3ZE	X	2,550	246	3.84	2,512	203	2.89
C8D6TT		2,341	37	0.58	2,393	83	1.19
E1H8U3		2,343	39	0.61	2,372	63	0.90
G4B9W3		2,257	-47	-0.74	2,270	-40	-0.56
G959CJ		2,361	57	0.89	2,376	66	0.95
GV673B		2,359	55	0.86	2,357	47	0.67
H1LWKT		2,377	73	1.14	2,373	64	0.91
H8EAYY		2,339	36	0.56	2,325	15	0.22
JA1CBC		2,360	56	0.88	2,362	53	0.76
JSDTK7		2,270	-34	-0.54	2,268	-41	-0.59
KP7WEG		2,204	-100	-1.57	2,190	-119	-1.70
LTLZR5		2,300	-4	-0.06	2,236	-73	-1.04
M13GDD		2,331	27	0.42	2,336	26	0.37
M8XVRY		2,202	-102	-1.59	2,179	-130	-1.85
P4TW66		2,285	-19	-0.30	2,232	-77	-1.10
PHCYVF		2,414	110	1.72	2,445	136	1.94
QEH62R		2,295	-8	-0.13	2,310	0	0.00

Plastics Interlaboratory Testing Program

Analysis 736

Flexural Modulus - MPa

WebCode	Data Flag	Sample K75 Lab Mean	Sample K75 Diff from Grand Mean	Sample K75 CPV	Sample K76 Lab Mean	Sample K76 Diff from Grand Mean	Sample K76 CPV
RKQGWW		2,349	45	0.71	2,355	46	0.66
RR26RR		2,306	3	0.04	2,307	-2	-0.03
SF5VEX		2,363	60	0.93	2,369	59	0.84
SSWXR4	*	2,207	-97	-1.52	2,270	-40	-0.56
T9LJ3M		2,343	39	0.62	2,340	30	0.43
UQM9E5		2,335	31	0.48	2,335	26	0.37
V8HP61		2,305	1	0.02	2,337	27	0.39
V9K9G8		2,222	-82	-1.28	2,262	-47	-0.67
W5LMEX		2,321	17	0.27	2,359	50	0.71
W7QUSH	X	1,984	-320	-5.00	1,967	-343	-4.89
WATMW3		2,147	-157	-2.45	2,154	-155	-2.21

Summary Statistics

	Sample K75	Sample K76
Grand Means	2,303.8 MPa	2,309.4 MPa
Stnd Dev Btwn Labs	64.0 MPa	70.1 MPa

Statistics based on 40 of 43 reporting participants

Sample K75: HIPS & Sample K76: HIPS

Comments on assigned Data Flags for Test #736

25XB3H (X) - Inconsistent in testing between samples, data for Sample K75 are high.

BUY3ZE (X) - Data for both samples are high. Possible Systematic Error.

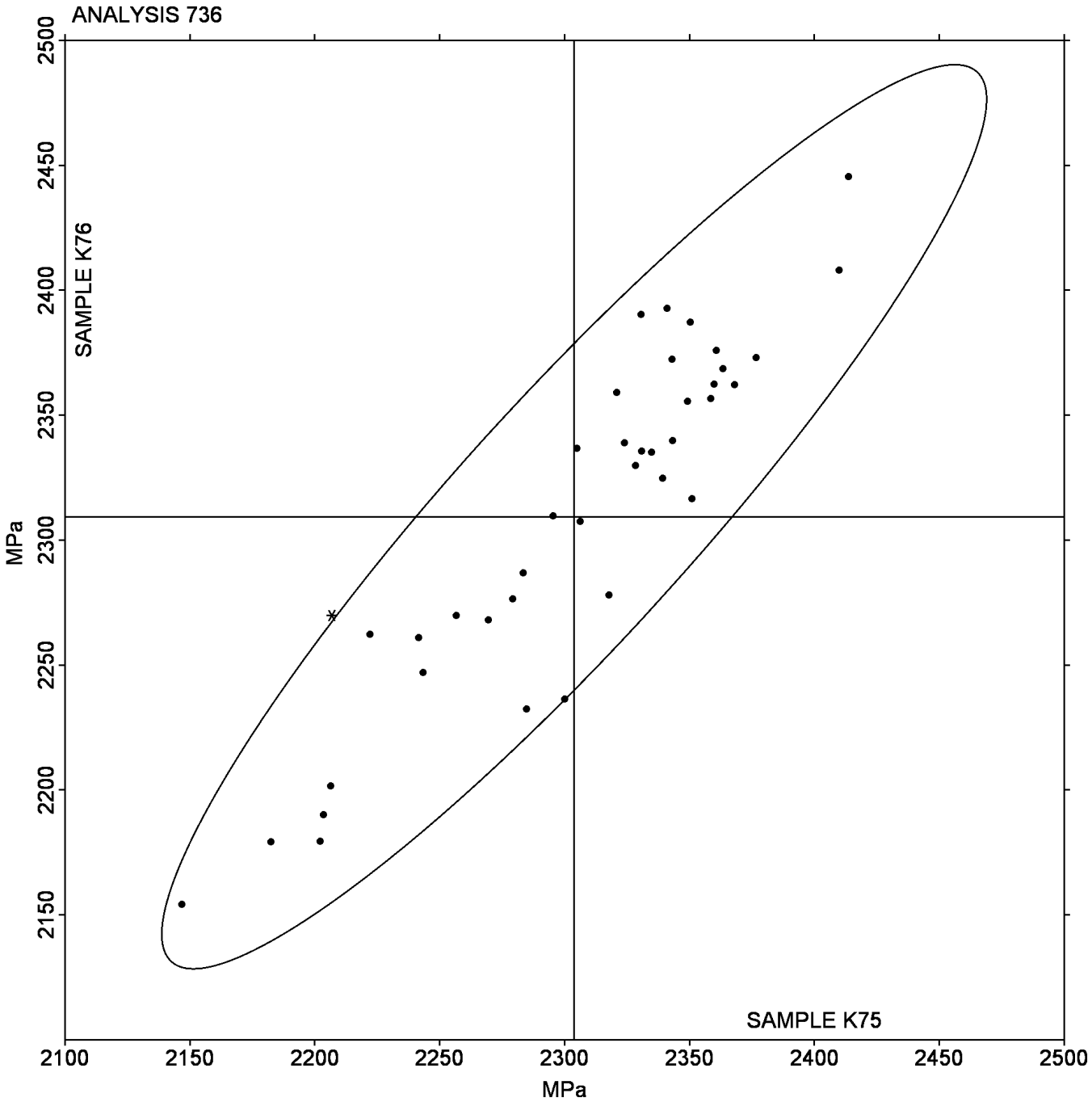
W7QUSH (X) - Data for both samples are low.

Plastics Interlaboratory Testing Program

Analysis 736

Flexural Modulus - MPa

Grand Mean Sample K75: 2,303.82 MPa Grand Mean Sample K76: 2,309.37 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 K75 Lab Mean	Sample K75 Diff from Grand Mean	Sample K75 CPV	Sample K76 Lab Mean	Sample K76 Diff from Grand Mean	Sample K76 CPV
1ZFJDD		47.08	0.00	0.00	47.00	-0.18	-0.19
2D767T		47.34	0.25	0.26	47.32	0.14	0.14
2Z7BWW		46.45	-0.64	-0.64	45.87	-1.31	-1.35
38WDKL		46.77	-0.31	-0.31	47.25	0.07	0.07
3CG59V		46.98	-0.11	-0.11	47.02	-0.16	-0.16
65P7XQ		46.66	-0.42	-0.43	46.78	-0.40	-0.41
6B74FB		47.66	0.58	0.59	48.04	0.86	0.88
6DLU8P		45.84	-1.25	-1.26	46.54	-0.64	-0.66
6UWGPH		48.46	1.38	1.39	48.35	1.17	1.20
6VLXQD		46.78	-0.30	-0.30	47.03	-0.16	-0.16
92KBCR		47.65	0.57	0.58	48.10	0.92	0.94
AHJ2EE		45.31	-1.77	-1.79	44.99	-2.20	-2.25
BG4XKM		46.77	-0.32	-0.32	46.35	-0.83	-0.85
F8NZDB		48.83	1.75	1.76	49.09	1.91	1.96
HF9DVV		47.18	0.09	0.10	47.41	0.23	0.23
HXT6P1		47.13	0.04	0.05	47.32	0.13	0.14
J3MTCC		45.20	-1.88	-1.90	45.90	-1.28	-1.31
JAESLT		47.82	0.74	0.75	47.79	0.61	0.62
L1JDT6		48.05	0.96	0.97	48.07	0.89	0.92
LZRLXN		47.17	0.08	0.08	47.20	0.01	0.02
NFEK27		45.03	-2.05	-2.07	45.26	-1.92	-1.97
PFDWCC		48.46	1.38	1.39	48.31	1.13	1.16
PS89MY		48.88	1.80	1.81	49.06	1.88	1.93
PTU4RD		46.00	-1.08	-1.09	46.61	-0.57	-0.58
PVFUZK		46.44	-0.64	-0.65	46.76	-0.42	-0.43
SQGWAV		46.80	-0.28	-0.29	47.80	0.62	0.63
TRAXWC		46.71	-0.37	-0.37	46.45	-0.73	-0.75
U2RQXE		46.47	-0.62	-0.62	46.68	-0.50	-0.51
U4RYNH		48.66	1.58	1.59	48.51	1.32	1.36
WTWM12		46.81	-0.28	-0.28	46.84	-0.34	-0.35
XRDPU5		47.64	0.56	0.56	46.98	-0.20	-0.21
YK1DTW		47.72	0.64	0.65	47.96	0.78	0.80

Plastics Interlaboratory Testing Program

Analysis 737

Flexural Stress at 3.5% Strain - MPa

WebCode	Data Flag	Sample K75 Lab Mean	Sample K75 Diff from Grand Mean	Sample K75 CPV	Sample K76 Lab Mean	Sample K76 Diff from Grand Mean	Sample K76 CPV
YRVGFZ	X	74.69	27.61	27.87	47.62	0.44	0.45
YT9HR2		47.84	0.75	0.76	47.46	0.28	0.29
ZE39CG		46.23	-0.86	-0.87	46.08	-1.11	-1.13

Summary Statistics

	Sample K75	Sample K76
Grand Means	47.083 MPa	47.181 MPa
Stnd Dev Btwn Labs	0.991 MPa	0.975 MPa

Statistics based on 34 of 35 reporting participants

Sample K75: HIPS & Sample K76: HIPS

Comments on assigned Data Flags for Test #737

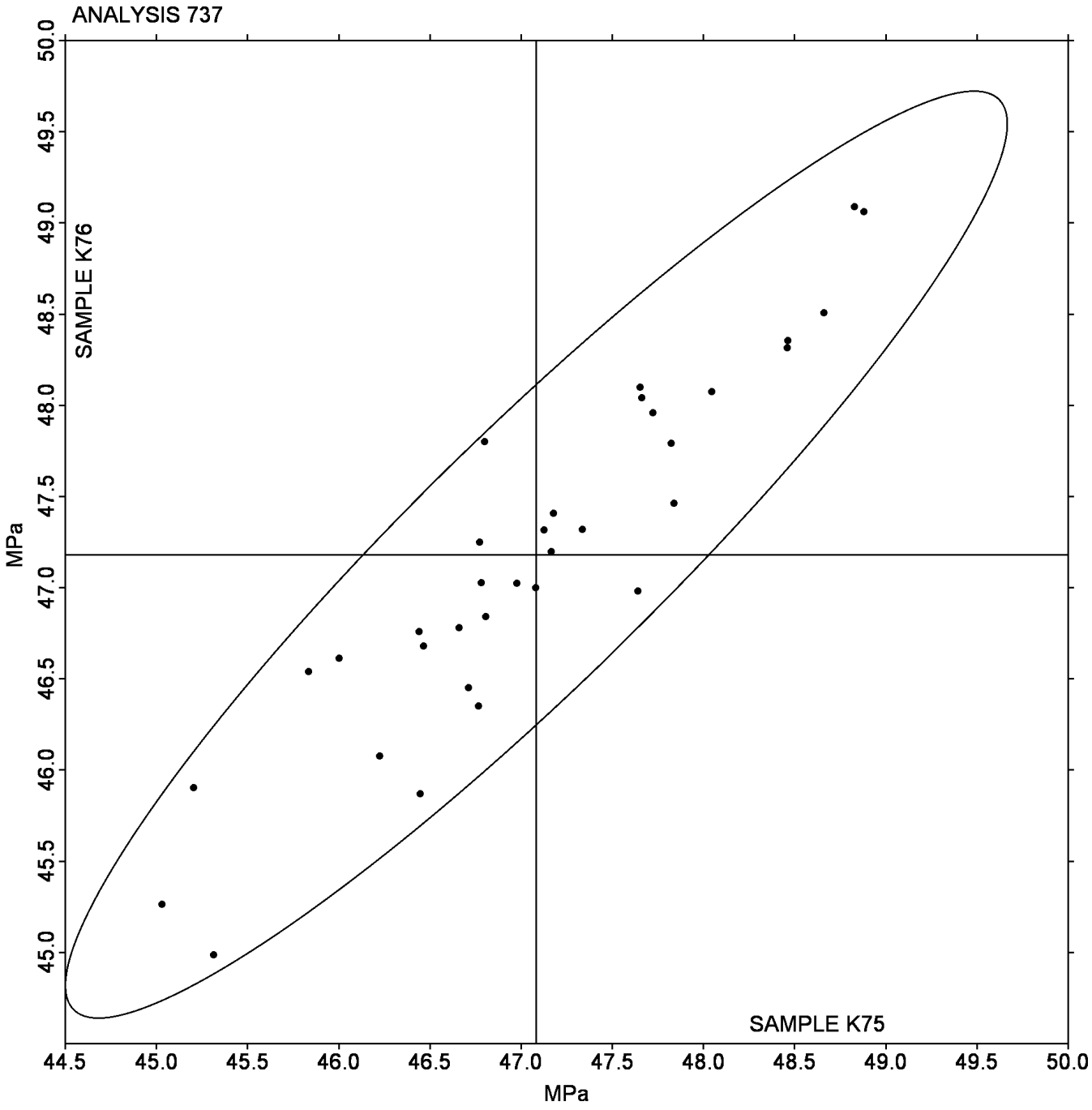
YRVGFZ (X) - Inconsistent in testing between samples, data for Sample K75 are high.

Plastics Interlaboratory Testing Program

Analysis 737

Flexural Stress at 3.5% Strain - MPa

Grand Mean Sample K75: 47.083 MPa Grand Mean Sample K76: 47.181 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 K75 Lab Mean	Sample K75 Diff from Grand Mean	Sample K75 CPV	Sample K76 Lab Mean	Sample K76 Diff from Grand Mean	Sample K76 CPV
16WND8		47.21	0.00	0.00	47.23	0.00	0.00
1PVQ76		46.05	-1.16	-1.08	46.67	-0.56	-0.52
2DX22U		47.05	-0.15	-0.14	47.10	-0.14	-0.13
2YZZEV		46.50	-0.71	-0.66	45.93	-1.30	-1.20
4D46EW		46.66	-0.55	-0.51	46.78	-0.45	-0.42
4HQGPD		46.24	-0.97	-0.90	46.11	-1.13	-1.04
5QRTXG		47.02	-0.19	-0.18	47.68	0.45	0.41
6ECHD3		46.75	-0.45	-0.42	46.46	-0.77	-0.71
7Y1UHN		47.76	0.55	0.51	47.06	-0.17	-0.16
867W3M		47.38	0.17	0.16	47.36	0.13	0.12
9LDQZP		47.83	0.62	0.58	48.04	0.81	0.74
AD83LE		45.23	-1.98	-1.85	45.97	-1.26	-1.17
AZSRZ7		48.90	1.69	1.58	49.08	1.85	1.70
B2PBX3		47.10	-0.11	-0.10	47.02	-0.21	-0.20
EPZ6ZJ		49.69	2.48	2.31	49.89	2.65	2.45
GEHY7E		45.03	-2.18	-2.03	45.26	-1.97	-1.82
GV6567		46.98	-0.23	-0.22	47.08	-0.16	-0.14
JF9R73		48.63	1.43	1.33	48.55	1.32	1.22
JQS7SK		47.07	-0.14	-0.13	46.56	-0.67	-0.62
JTDGZF		46.82	-0.39	-0.36	46.87	-0.37	-0.34
LA3ZHN		46.47	-0.73	-0.69	46.46	-0.77	-0.71
LRBBED	X	76.35	29.15	27.22	47.67	0.43	0.40
M2VJU2		46.80	-0.40	-0.38	47.11	-0.12	-0.11
MPPHCQ		48.04	0.83	0.78	47.78	0.55	0.50
MQ5N3G		47.96	0.75	0.70	47.59	0.35	0.33
P55FC8		46.45	-0.76	-0.71	45.98	-1.25	-1.16
SB1UVS		46.59	-0.61	-0.57	46.30	-0.93	-0.86
SC7X5P		48.80	1.59	1.49	48.66	1.42	1.31
TFGFKJ		46.02	-1.19	-1.11	46.25	-0.98	-0.91
TQ7JT1		47.77	0.56	0.53	48.18	0.95	0.87
VL5TKX		48.94	1.73	1.62	49.17	1.94	1.79
YMUAWN		47.71	0.50	0.47	48.09	0.86	0.79

Plastics Interlaboratory Testing Program

Analysis 738

Flexural Stress at Yield - MPa

Summary Statistics

Grand Means		
	47.209 MPa	47.235 MPa
Stnd Dev Btwn Labs		
	1.071 MPa	1.082 MPa

Statistics based on 31 of 32 reporting participants

Sample K75: HIPS & Sample K76: HIPS

Comments on assigned Data Flags for Test #738

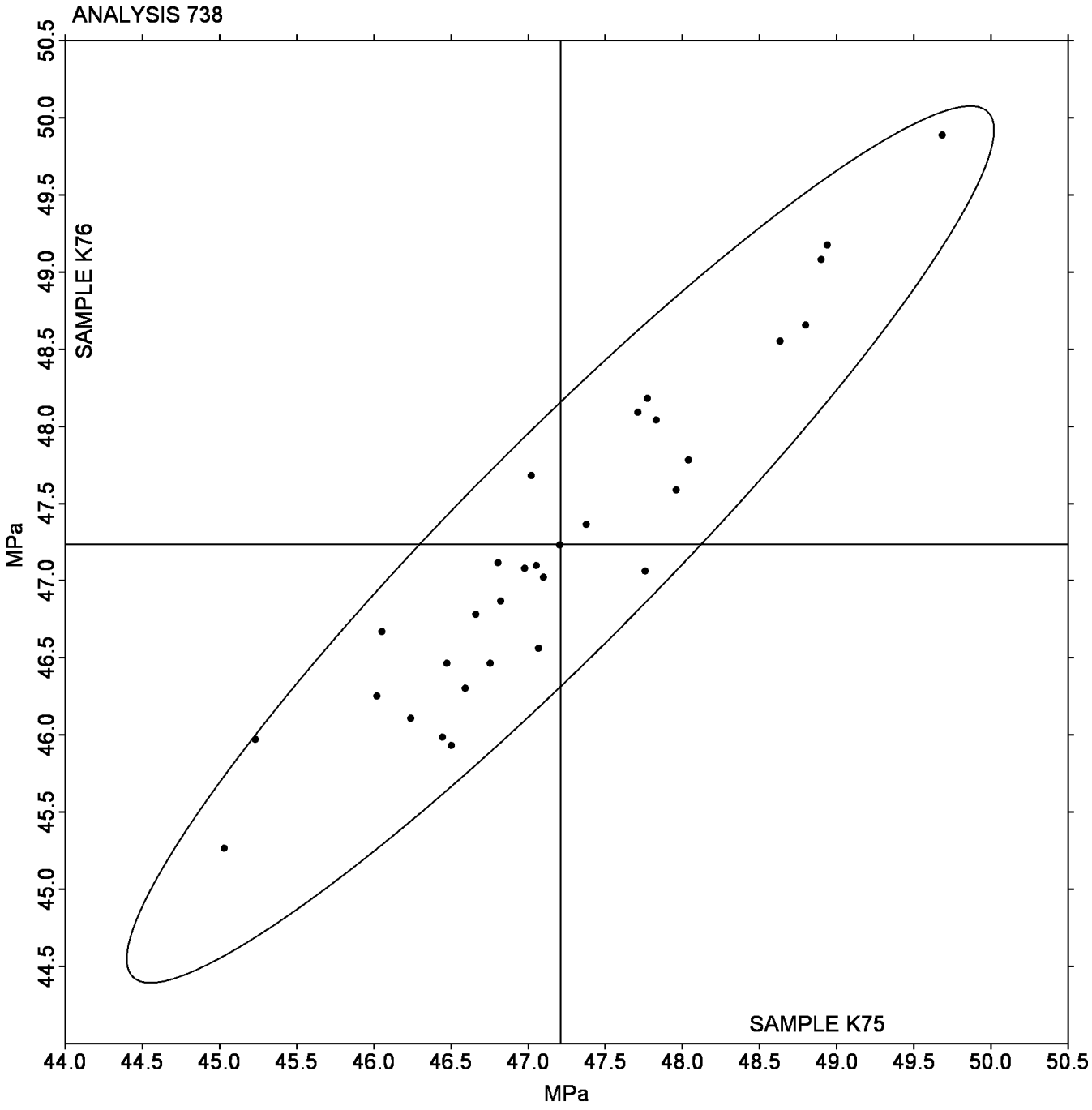
LRBBED (X) - Inconsistent in testing between samples, data for Sample K75 are high.

Plastics Interlaboratory Testing Program

Analysis 738

Flexural Stress at Yield - MPa

Grand Mean Sample K75: 47.209 MPa Grand Mean Sample K76: 47.235 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 S75 Lab Mean	Sample S75 Diff from Grand Mean	Sample S75 CPV	Sample S76 Lab Mean	Sample S76 Diff from Grand Mean	Sample S76 CPV	Instr Code
121AHS	X	9.19	2.34	4.58	8.92	2.29	4.75	TO
1JSSRE		6.21	-0.64	-1.26	5.72	-0.91	-1.90	TO
1LH7L2		6.97	0.12	0.23	6.69	0.05	0.11	CE
28LTCQ		7.04	0.19	0.37	6.65	0.02	0.04	TM
2JX3QW		6.58	-0.27	-0.53	6.38	-0.25	-0.52	WZ
2L7HJ3		6.58	-0.27	-0.54	6.35	-0.28	-0.59	TM
338Q49		7.71	0.85	1.67	7.59	0.96	1.99	XX
39G6Q5		5.99	-0.86	-1.68	5.89	-0.75	-1.55	TO
3A6ZDY		6.37	-0.48	-0.94	6.35	-0.29	-0.60	TO
3RQBPY		6.87	0.02	0.03	6.57	-0.06	-0.12	XX
4GMDFQ		6.96	0.10	0.20	6.93	0.29	0.61	TO
4VM9PQ		6.52	-0.34	-0.66	6.05	-0.59	-1.22	BA
51YAVU		7.06	0.21	0.41	7.04	0.41	0.84	CE
5SY85N	*	6.61	-0.24	-0.48	6.97	0.33	0.69	WY
645WV6		6.93	0.07	0.14	6.86	0.23	0.47	TO
6JRM61		6.71	-0.14	-0.28	6.43	-0.20	-0.42	TO
7A2NDZ		7.75	0.90	1.75	7.34	0.70	1.46	TO
7KP41L		6.68	-0.18	-0.35	6.48	-0.16	-0.33	TO
7QVTKE		6.75	-0.10	-0.20	6.38	-0.25	-0.53	CE
7ZKYJ1		7.46	0.61	1.19	7.35	0.71	1.48	XX
8NY3UL		6.96	0.11	0.21	6.75	0.11	0.23	TO
AHEE18		6.14	-0.72	-1.40	5.91	-0.72	-1.50	CE
B4QRB3		8.11	1.25	2.45	7.60	0.96	2.00	XX
B6KHBF		7.87	1.02	2.00	7.40	0.76	1.58	TM
B993SB		7.15	0.30	0.58	6.83	0.20	0.41	TO
BE8F6E		7.01	0.16	0.32	6.86	0.23	0.48	XX
BPCLPV		6.12	-0.73	-1.44	6.31	-0.32	-0.67	TM
CDQWLU		6.56	-0.29	-0.57	6.39	-0.25	-0.51	XX
D8VT4V	X	0.74	-6.11	-11.97	0.71	-5.92	-12.30	TO
E6L2P7	*	5.90	-0.95	-1.86	6.23	-0.40	-0.83	TM
EF9EXC		6.97	0.12	0.23	6.88	0.24	0.51	TY
EKM9PF		6.88	0.03	0.06	6.36	-0.28	-0.57	TM

Plastics Interlaboratory Testing Program

Analysis 790

Notched Izod Impact - ft.lbf/in

WebCode	Data Flag	Sample S75 Lab Mean	Sample S75 Diff from Grand Mean	Sample S75 CPV	Sample S76 Lab Mean	Sample S76 Diff from Grand Mean	Sample S76 CPV	Instr Code
F2LZTP		6.88	0.03	0.06	6.89	0.25	0.52	TM
F5FD77		7.74	0.88	1.73	7.62	0.98	2.04	CE
FGSX12		7.13	0.28	0.55	7.16	0.53	1.10	TO
FGXTLF		6.66	-0.19	-0.37	6.43	-0.21	-0.43	TM
FPWH3H		6.38	-0.47	-0.93	6.13	-0.51	-1.06	TM
G1519Y		6.87	0.02	0.03	6.57	-0.06	-0.13	TM
GFVKV8		6.80	-0.05	-0.10	6.36	-0.27	-0.56	WZ
GRH2HT		7.34	0.48	0.95	6.60	-0.03	-0.07	CS
GRKJ3Y		6.94	0.09	0.17	6.66	0.03	0.05	XX
H1ZHVF		7.00	0.15	0.30	6.94	0.30	0.63	TO
HK6CNY		7.51	0.66	1.29	7.21	0.58	1.20	TO
HPZR43		7.70	0.85	1.67	7.02	0.38	0.80	TM
HUNPCB		6.24	-0.61	-1.20	5.96	-0.67	-1.40	CE
J5DAQE		6.06	-0.80	-1.56	5.84	-0.80	-1.65	TO
JAWRVJ	*	5.86	-1.00	-1.95	5.45	-1.18	-2.46	TM
JDEME8		6.65	-0.20	-0.40	6.53	-0.10	-0.22	CE
JEGNRE		6.71	-0.14	-0.28	6.63	0.00	0.00	TM
JZAX3A		7.26	0.41	0.80	6.52	-0.11	-0.23	XX
K8HF2Q		7.06	0.21	0.40	7.06	0.43	0.90	BA
KBP34F		6.54	-0.31	-0.60	6.57	-0.06	-0.13	TO
KHYSX4		6.96	0.10	0.20	6.87	0.24	0.49	CE
KRVCPQ		7.05	0.19	0.38	6.73	0.10	0.20	TO
LEKBLK		5.80	-1.05	-2.06	5.68	-0.95	-1.98	TO
LUKY5Y	X	1.04	-5.81	-11.38	1.02	-5.61	-11.66	TO
M34TJE		6.64	-0.21	-0.41	6.70	0.07	0.14	TO
MC718C		6.81	-0.05	-0.09	6.86	0.22	0.46	TO
MR9EL4		7.37	0.52	1.01	6.77	0.14	0.29	TO
N4YQPD		6.66	-0.19	-0.38	6.70	0.07	0.14	TM
N9VBR2		6.54	-0.31	-0.60	6.30	-0.33	-0.69	TM
NQ2JSC		6.39	-0.46	-0.90	5.99	-0.64	-1.33	TO
P15SB9		6.70	-0.15	-0.30	6.39	-0.24	-0.50	TM
PD6BDY		6.71	-0.14	-0.27	6.62	-0.02	-0.04	TO

Plastics Interlaboratory Testing Program

Analysis 790

Notched Izod Impact - ft.lbf/in

WebCode	Data Flag	Sample S75 Lab Mean	Sample S75 Diff from Grand Mean	Sample S75 CPV	Sample S76 Lab Mean	Sample S76 Diff from Grand Mean	Sample S76 CPV	Instr Code
PDZFZN		7.33	0.47	0.93	6.93	0.30	0.62	TM
PLGY58		7.11	0.26	0.51	6.54	-0.10	-0.20	TM
QA69GA		7.19	0.34	0.66	6.92	0.28	0.59	CE
RNPP2V	X	10.45	3.60	7.04	10.51	3.88	8.05	CS
S5LLMX	X	0.23	-6.63	-12.97	0.23	-6.41	-13.31	XX
SE8ZUZ	X	0.74	-6.11	-11.96	0.69	-5.94	-12.34	XX
TFKDZ1		7.65	0.80	1.56	7.54	0.91	1.89	CE
TL7L4U		6.00	-0.85	-1.67	5.97	-0.67	-1.38	TM
UWWWM7		6.99	0.14	0.28	6.69	0.06	0.12	TO
VD45JD		6.74	-0.12	-0.23	6.72	0.08	0.17	TO
WAYYJY		6.13	-0.72	-1.42	6.14	-0.49	-1.02	BA
WM75B5		6.96	0.10	0.20	6.51	-0.13	-0.26	TO
WNUHEQ		7.80	0.95	1.86	7.39	0.76	1.58	BA
WWCN3A		6.98	0.12	0.24	6.94	0.30	0.63	TO
WWKLLM	*	5.89	-0.96	-1.88	5.44	-1.20	-2.49	TM
X13SB6		7.18	0.32	0.63	6.80	0.17	0.35	TO
XT9KNY		7.44	0.58	1.14	7.09	0.46	0.95	WZ
YZBG29		6.88	0.03	0.06	6.90	0.27	0.55	CE
ZDSFN9		7.18	0.33	0.65	6.91	0.28	0.58	TM
ZX5MJR		6.68	-0.17	-0.34	6.73	0.10	0.20	TM

Summary Statistics

	Sample S75	Sample S76
Grand Means	6.852 ft.lbf/in	6.634 ft.lbf/in
Stnd Dev Btwn Labs	0.511 ft.lbf/in	0.481 ft.lbf/in

Statistics based on 78 of 84 reporting participants

Sample S75: ABS & Sample S76: ABS

Plastics Interlaboratory Testing Program

Analysis 790

Notched Izod Impact - ft.lbf/in

Comments on assigned Data Flags for Test #790

121AHS (X) - Data for both samples are high. Possible Systematic Error.

D8VT4V (X) - Extreme data. Data may be off by a factor of 10.

LUKY5Y (X) - Data for both samples are low.

RNPP2V (X) - Data for both samples are high.

S5LLMX (X) - Extreme data.

SE8ZUZ (X) - Extreme data. Data may be off by a factor of 10.

Instrument Code List as Reported by the Labs

(BA) - Baldwin

(CE) - Ceast

(CS) - CSI

(TM) - TMI

(TO) - Tinius Olsen

(TY) - Toyoseiki

(WY) - Yasuda Seiki

(WZ) - Zwick

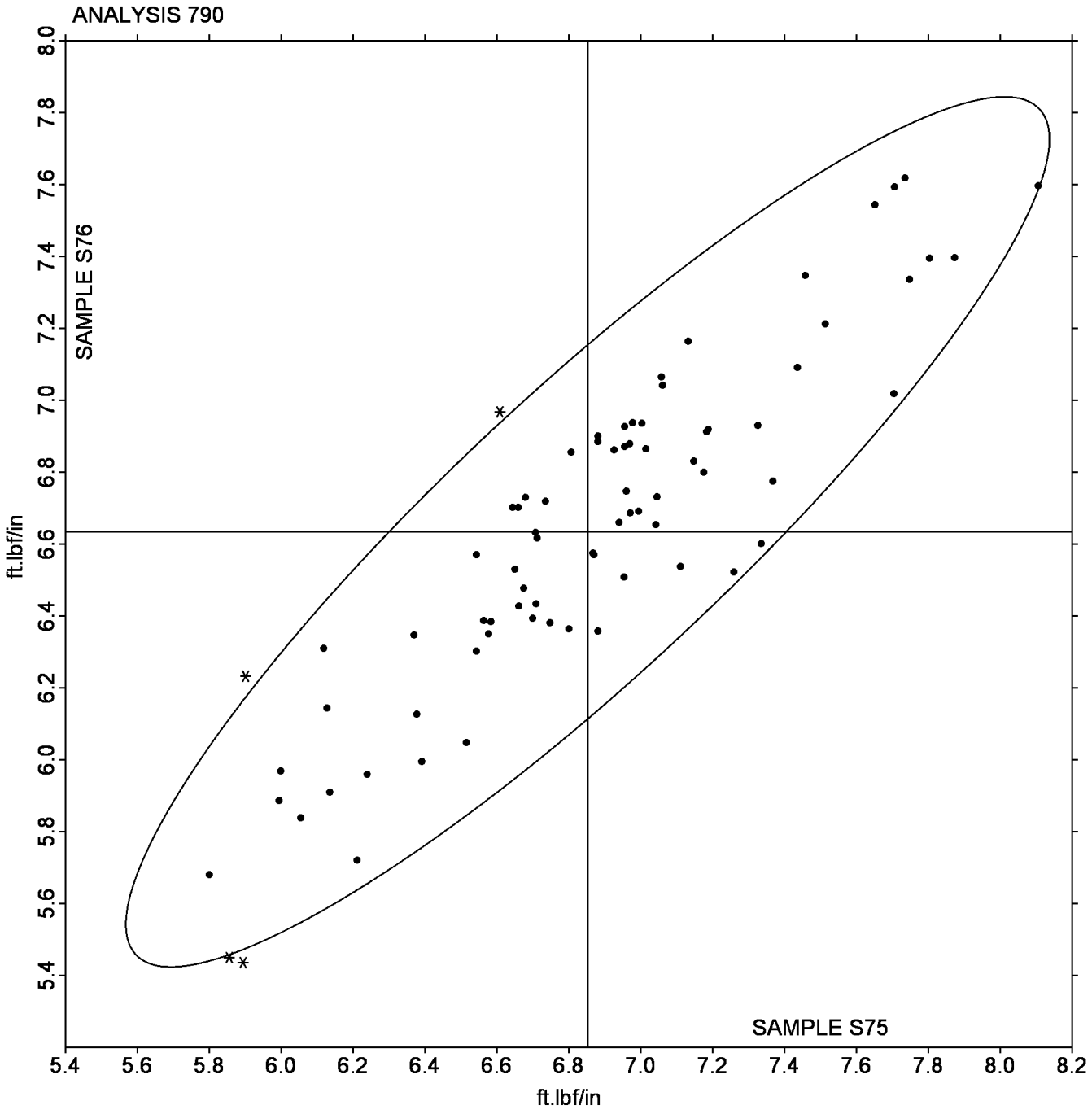
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 790

Notched Izod Impact - ft.lbf/in

Grand Mean Sample S75: 6.8523 ft.lbf/in Grand Mean Sample S76: 6.6339 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 M75 Lab Mean	Sample M75 Diff from Grand Mean	Sample M75 CPV	Sample M76 Lab Mean	Sample M76 Diff from Grand Mean	Sample M76 CPV	Instr Code
11SRTM		31.88	1.43	0.98	30.39	0.99	0.72	CE
1J71TN		28.97	-1.47	-1.00	27.42	-1.98	-1.45	WZ
2J8KMN		30.94	0.49	0.34	29.53	0.13	0.10	TO
7YQYBU		30.67	0.23	0.15	30.14	0.74	0.54	TM
7ZQ7SD		30.60	0.16	0.11	30.20	0.80	0.59	XX
889XVS		30.22	-0.22	-0.15	31.34	1.94	1.42	XX
8R7WQS		30.62	0.18	0.12	29.47	0.07	0.05	XX
94NC2H		32.86	2.42	1.65	31.93	2.53	1.85	CE
A8K6QG		32.63	2.18	1.49	31.37	1.98	1.45	CE
AQEF1S		30.62	0.18	0.12	30.12	0.72	0.53	BA
BQKURE		30.85	0.40	0.28	29.20	-0.20	-0.14	TY
BXTYFE		32.70	2.26	1.54	30.66	1.26	0.92	CE
C7LJL6		31.69	1.25	0.85	30.50	1.10	0.81	XX
DKYSC1		33.46	3.02	2.06	31.92	2.52	1.85	CE
DV42E5	X	23.11	-7.33	-4.99	25.90	-3.49	-2.56	TM
GYPAQN	X	30.32	-0.12	-0.08	25.60	-3.80	-2.78	TM
HKX869		27.03	-3.41	-2.32	27.09	-2.31	-1.69	TM
JQVSNC		31.14	0.69	0.47	28.88	-0.52	-0.38	TM
K5A31S		29.94	-0.50	-0.34	28.41	-0.98	-0.72	TM
LSP49F	*	28.82	-1.63	-1.11	30.83	1.44	1.05	XX
MHZ43Q		28.59	-1.85	-1.26	28.86	-0.54	-0.39	TM
NS8G9R		30.96	0.52	0.35	29.30	-0.10	-0.07	XX
PQUXHM		29.96	-0.48	-0.33	27.64	-1.76	-1.29	XX
RFJ3N8		29.96	-0.48	-0.33	28.88	-0.52	-0.38	WZ
RMRLZS		30.84	0.40	0.27	29.67	0.28	0.20	XX
S1EA5A		30.20	-0.24	-0.16	29.36	-0.04	-0.03	TO
T3C4F5		29.94	-0.50	-0.34	27.95	-1.45	-1.06	TM
TW1UEH		30.88	0.44	0.30	29.31	-0.09	-0.07	CE
UK9LC6		30.30	-0.14	-0.10	30.36	0.96	0.70	TO
W88TYT		28.10	-2.34	-1.59	26.66	-2.74	-2.00	XX
WUVBD6		31.01	0.57	0.39	28.68	-0.72	-0.53	WZ
X7SR16		29.17	-1.27	-0.87	28.17	-1.23	-0.90	KF

Plastics Interlaboratory Testing Program

Analysis 792

Notched Charpy Impact - kJ/m^2

WebCode	Data Flag	Sample M75 Lab Mean	Sample M75 Diff from Grand Mean	Sample M75 CPV	Sample M76 Lab Mean	Sample M76 Diff from Grand Mean	Sample M76 CPV	Instr Code
Z3UUMZ		31.00	0.56	0.38	29.46	0.06	0.05	XX
ZSMW52		27.26	-3.18	-2.16	27.20	-2.20	-1.61	TO
ZSUTZZ		30.76	0.31	0.21	29.21	-0.19	-0.14	TO

Summary Statistics

	Sample M75	Sample M76
Grand Means	30.441 kJ/m^2	29.397 kJ/m^2
Stnd Dev Btwn Labs	1.468 kJ/m^2	1.366 kJ/m^2

Statistics based on 33 of 35 reporting participants

Sample M75: ABS & Sample M76: ABS

Comments on assigned Data Flags for Test #792

DV42E5 (X) - Inconsistent in testing between samples, data for Sample M75 are low.

GYPAQN (X) - Inconsistent in testing between samples, data for Sample M76 are low.

Instrument Code List as Reported by the Labs

(BA) - Baldwin

(CE) - Ceast

(KF) - Karl Frank GmbH

(TM) - TMI

(TO) - Tinius Olsen

(TY) - Toyoseiki

(WZ) - Zwick

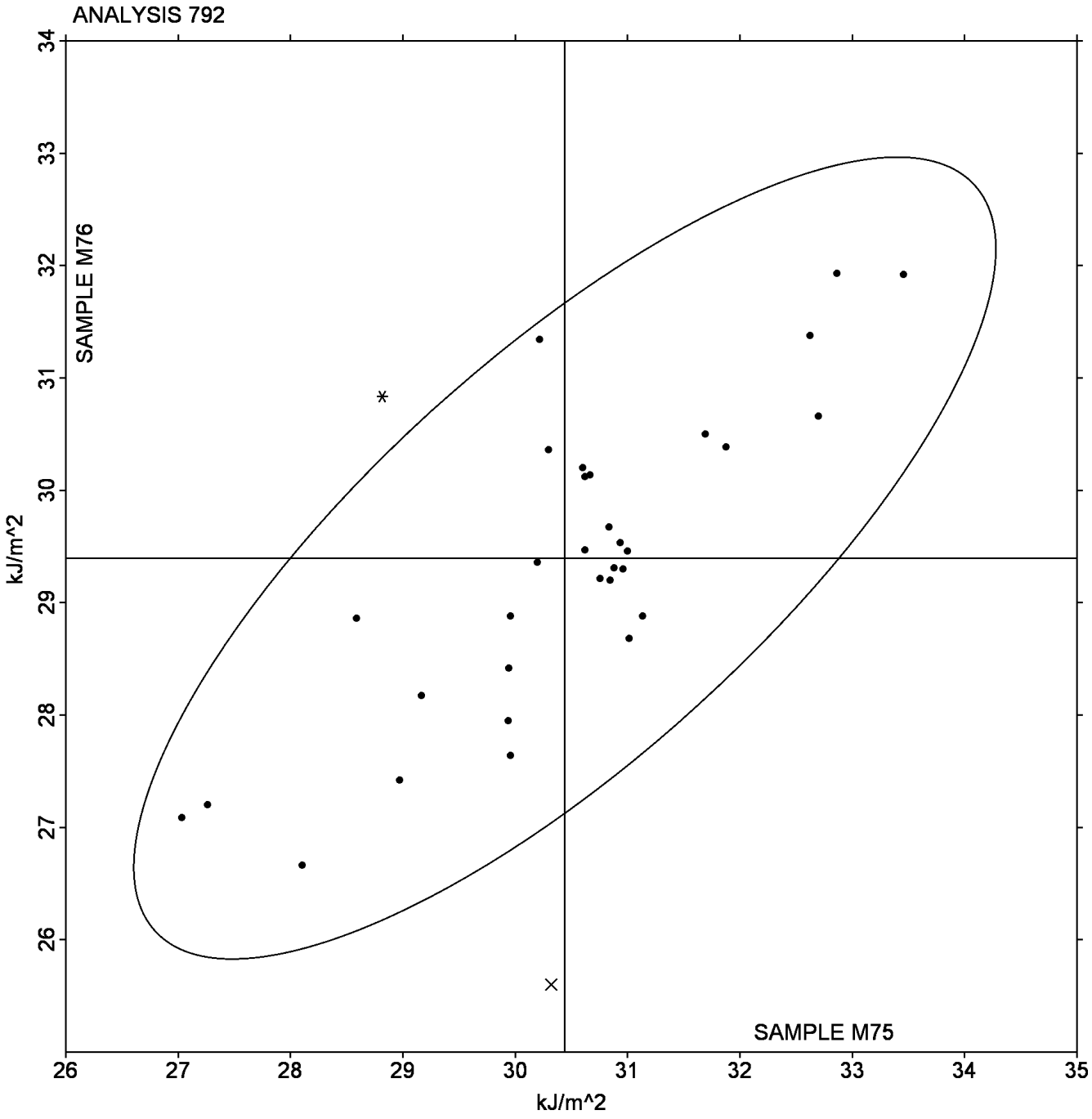
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 792

Notched Charpy Impact - kJ/m^2

Grand Mean Sample M75: 30.441 kJ/m^2 Grand Mean Sample M76: 29.397 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

		Sample E75			Sample E76			
WebCode	Data Flag	Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	Instr Code
17LW8G		84.38	1.03	0.67	79.35	0.55	0.31	CS
4N71K8		82.88	-0.47	-0.31	77.90	-0.90	-0.50	TO
6NFEL8		84.58	1.23	0.80	78.95	0.15	0.08	RR
71GSHD		83.05	-0.30	-0.19	77.50	-1.30	-0.72	AT
7SPFBD		84.60	1.25	0.82	80.18	1.38	0.76	XX
8U68GD		82.73	-0.62	-0.41	78.13	-0.67	-0.37	XX
9ZVYPU		83.43	0.08	0.05	78.63	-0.17	-0.10	TO
ADPHH3		83.95	0.60	0.39	79.20	0.40	0.22	TO
AJYP6M		83.73	0.38	0.25	79.15	0.35	0.19	XA
ANJV6Q		82.18	-1.17	-0.76	77.35	-1.45	-0.80	XX
AQ7YNF	*	80.90	-2.45	-1.59	79.98	1.18	0.65	CE
F7A8J9		81.93	-1.42	-0.93	76.78	-2.02	-1.12	EM
FVW9HM		82.28	-1.07	-0.70	77.00	-1.80	-0.99	RO
G873XX		83.65	0.30	0.20	79.78	0.98	0.54	CE
GP81JN		85.30	1.95	1.27	80.85	2.05	1.13	TO
GWETJH		82.73	-0.62	-0.41	78.23	-0.57	-0.32	AT
H36TS6		81.20	-2.15	-1.40	78.45	-0.35	-0.19	CE
JBB5GJ		82.30	-1.05	-0.68	77.00	-1.80	-0.99	XX
NL6P6H		82.70	-0.65	-0.42	77.83	-0.97	-0.54	AT
PTZBGD		82.00	-1.35	-0.88	77.00	-1.80	-0.99	TO
PWK696	X	92.10	8.75	5.70	91.88	13.08	7.23	DN
QQJNM2		83.30	-0.05	-0.03	78.30	-0.50	-0.28	TY
SVAG9S		86.58	3.23	2.10	82.53	3.73	2.06	XX
T91S6V		83.89	0.54	0.35	77.22	-1.58	-0.87	TO
T9E9YP		85.08	1.73	1.13	80.05	1.25	0.69	CE
TDPAJD		83.45	0.10	0.07	78.38	-0.42	-0.23	CE
U7TZR1		80.60	-2.75	-1.79	75.95	-2.85	-1.57	CE
USFBPL		84.10	0.75	0.49	79.05	0.25	0.14	XX
VSC6UG		83.68	0.33	0.21	78.90	0.10	0.06	CE
XEU8MR		86.18	2.83	1.84	83.45	4.65	2.57	AT
XGXT54	*	80.98	-2.37	-1.55	80.15	1.35	0.75	TO
XWRG3V		84.28	0.93	0.60	78.83	0.03	0.02	TO

Plastics Interlaboratory Testing Program

Analysis 710

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

WebCode	Data Flag	Sample E75 Lab Mean	Sample E75 Diff from Grand Mean	Sample E75 CPV	Sample E76 Lab Mean	Sample E76 Diff from Grand Mean	Sample E76 CPV	Instr Code
YVV3MH		86.20	2.85	1.86	82.70	3.90	2.16	XX
ZULP21		81.70	-1.65	-1.07	75.63	-3.17	-1.75	XX

Summary Statistics

	Sample E75	Sample E76
Grand Means	83.347 Degrees C	78.798 Degrees C
Stnd Dev Btwn Labs	1.535 Degrees C	1.808 Degrees C

Statistics based on 33 of 34 reporting participants

Sample E75: ABS & Sample E76: ABS

Comments on assigned Data Flags for Test #710

PWK696 (X) - Data for both samples are high.

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

(XA) - Special In-House Instrument

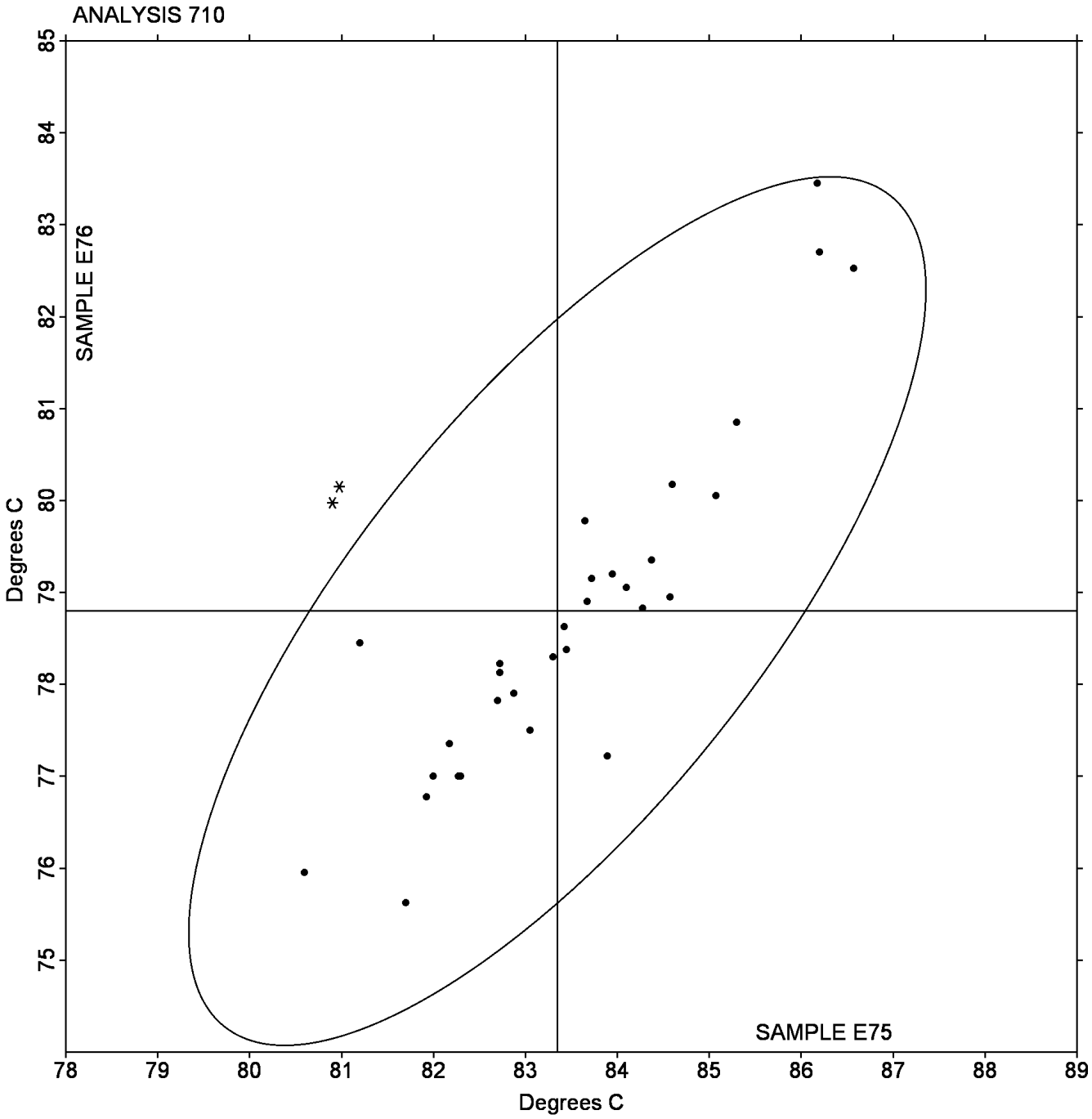
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 710

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

Grand Mean Sample E75: 83.347 Degrees C Grand Mean Sample E76: 78.798 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 G75 Lab Mean	Sample G75 Diff from Grand Mean	Sample G75 CPV	Sample G76 Lab Mean	Sample G76 Diff from Grand Mean	Sample G76 CPV	Instr Code
1WV4XD		86.2	1.7	0.79	65.4	2.3	1.09	CE
2278TM		84.5	0.1	0.02	63.0	-0.1	-0.05	TO
3HKAEM		83.1	-1.4	-0.66	61.9	-1.2	-0.57	TO
9EVVYT		84.8	0.3	0.14	63.4	0.2	0.11	TO
AZRX5T		86.2	1.7	0.78	63.6	0.5	0.24	TO
CDLWD7	X	72.3	-12.2	-5.67	94.4	31.3	15.09	XX
DLF5L6		87.2	2.7	1.25	65.5	2.4	1.15	XX
DU8PG6	*	78.6	-5.9	-2.73	57.4	-5.8	-2.78	XX
EGYT21		82.3	-2.2	-1.01	63.9	0.7	0.36	CE
J1PTRT		82.9	-1.6	-0.73	62.0	-1.1	-0.53	TO
KCPE94		85.5	1.0	0.45	63.3	0.1	0.06	CE
NEVCQN		83.7	-0.8	-0.36	61.4	-1.8	-0.85	XX
P517SP		86.6	2.1	0.98	64.9	1.7	0.84	CE
T4J5ZY		84.8	0.3	0.14	65.6	2.5	1.19	XX
UYPA8G		85.3	0.8	0.36	62.5	-0.7	-0.33	TO
WVZKBV		85.7	1.2	0.57	63.3	0.1	0.07	CE

Summary Statistics

	Sample G75	Sample G76
Grand Means	84.47 Degrees C	63.13 Degrees C
Stnd Dev Btwn Labs	2.15 Degrees C	2.07 Degrees C

Statistics based on 15 of 16 reporting participants

Sample G75: PP & Sample G76: PP

Comments on assigned Data Flags for Test #711

CDLWD7 (X) - Inconsistent in testing between samples.

Instrument Code List as Reported by the Labs

(CE) - Ceast

(TO) - Tinius Olsen

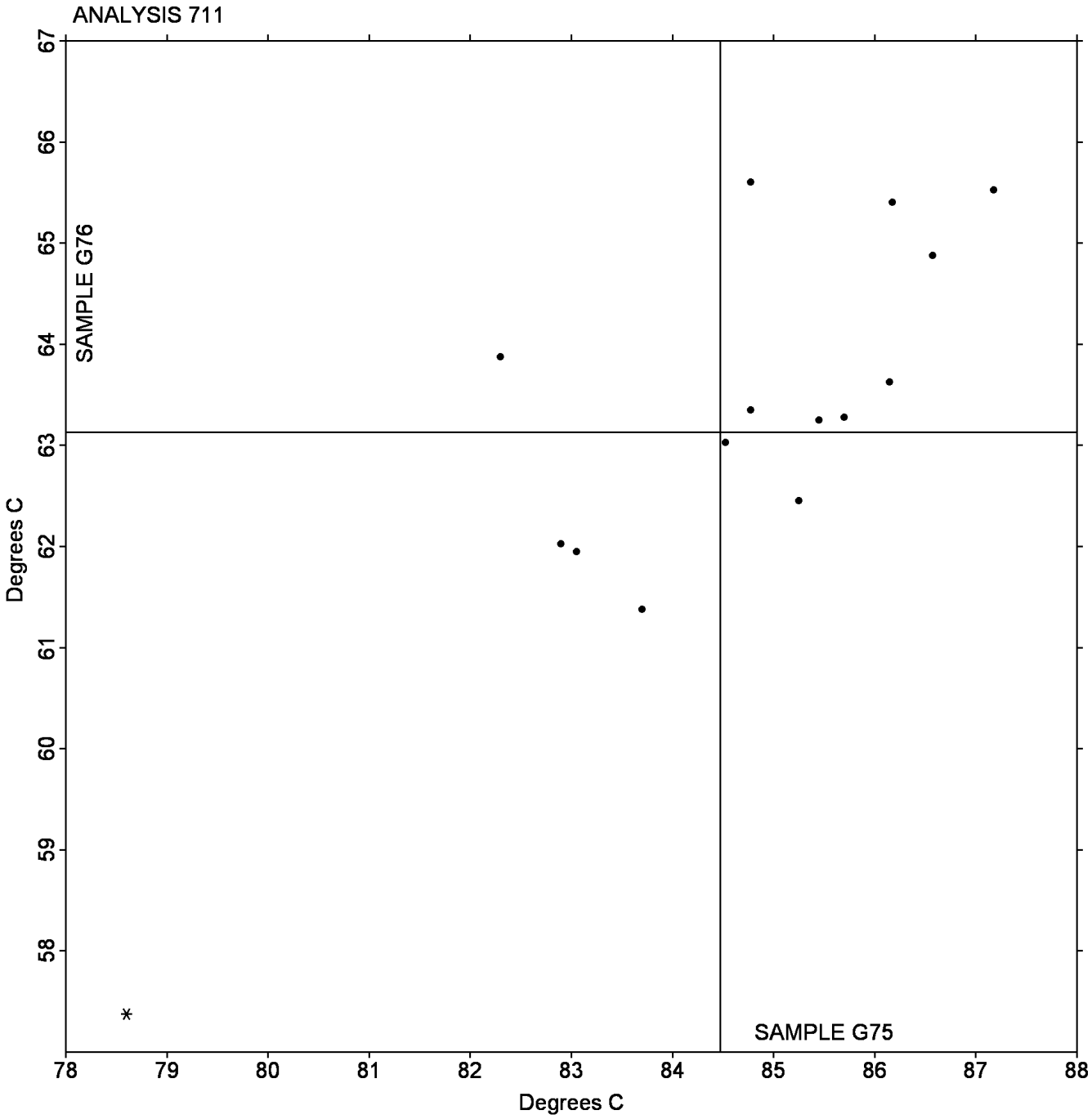
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 711

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

Grand Mean Sample G75: 84.474 Degrees C Grand Mean Sample G76: 63.131 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 N75 Lab Mean	Sample N75 Diff from Grand Mean	Sample N75 CPV	Sample N76 Lab Mean	Sample N76 Diff from Grand Mean	Sample N76 CPV	Instr Code
2U86KL	X	79.15	1.45	1.97	97.00	5.03	7.49	CE
3BJ6KV		77.98	0.28	0.37	91.80	-0.17	-0.25	CE
5BJEHL		77.85	0.15	0.20	92.10	0.13	0.19	TO
5D991D	*	77.73	0.03	0.04	90.53	-1.45	-2.15	XX
6ZHYXE		78.10	0.40	0.54	92.45	0.48	0.71	AT
7GVGYL		76.18	-1.52	-2.07	91.14	-0.83	-1.24	CE
97BFG4		77.48	-0.22	-0.30	91.45	-0.52	-0.78	XX
A5UCP2		77.75	0.05	0.07	91.85	-0.12	-0.18	TO
AVD2GF		78.70	1.00	1.36	92.25	0.28	0.42	AT
AWH13X	*	76.38	-1.32	-1.80	92.43	0.45	0.68	TO
BE2T67	X	2,629.50	2,551.80	3,461.92	2,697.00	2,605.03	3,880.99	XX
C1J8H7		78.53	0.83	1.12	92.68	0.70	1.05	AT
CQA77T		77.48	-0.22	-0.30	91.95	-0.02	-0.03	AT
CQK73M		78.18	0.48	0.65	91.50	-0.47	-0.70	XX
DRWPWX		77.25	-0.45	-0.61	91.38	-0.60	-0.89	XX
FUF4UW		76.88	-0.82	-1.12	91.00	-0.97	-1.45	TO
GDV5RR		77.05	-0.65	-0.88	91.33	-0.65	-0.96	XX
GMHAG3		76.35	-1.35	-1.83	91.55	-0.42	-0.63	XX
JZZWP2		78.60	0.90	1.22	93.03	1.05	1.57	XX
KTKTNR	X	74.10	-3.60	-4.88	89.38	-2.60	-3.87	CE
LY4AL8		77.43	-0.27	-0.37	92.23	0.25	0.38	XX
MKWEHR		77.78	0.08	0.10	91.63	-0.35	-0.52	AT
MXJP29		77.85	0.15	0.20	92.43	0.45	0.68	AT
NV697B		77.68	-0.02	-0.03	91.98	0.00	0.01	AT
P2WHD7		77.25	-0.45	-0.61	91.88	-0.10	-0.14	AT
S7L1JM		78.08	0.38	0.51	93.25	1.28	1.91	CE
SSUVTT		78.65	0.95	1.29	92.85	0.88	1.31	CE
SYSUV2		78.88	1.18	1.60	93.10	1.13	1.68	DN
TLUQYG		77.98	0.28	0.37	92.23	0.25	0.38	CF
VNU58W		78.95	1.25	1.70	92.48	0.50	0.75	TY
YFRYSX		77.13	-0.57	-0.78	91.10	-0.87	-1.30	CE
YKD5DK		77.23	-0.47	-0.64	91.65	-0.32	-0.48	XX

Plastics Interlaboratory Testing Program

Analysis 712

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

Summary Statistics

Grand Means				
	77.699	Degrees C	91.971	Degrees C
Stnd Dev Btwn Labs				
	0.737	Degrees C	0.671	Degrees C

Statistics based on 29 of 32 reporting participants

Sample N75: ABS/PC & Sample N76: ABS/PC

Comments on assigned Data Flags for Test #712

2U86KL (X) - Data for Sample N76 are high.

BE2T67 (X) - Extreme data.

KTKTNR (X) - Data for both samples are low. Possible Systematic Error.

Instrument Code List as Reported by the Labs

(AT) - Atlas

(CE) - Ceast

(CF) - Coesfeld

(DN) - DYNISCO

(TO) - Tinius Olsen

(TY) - Toyoseiki

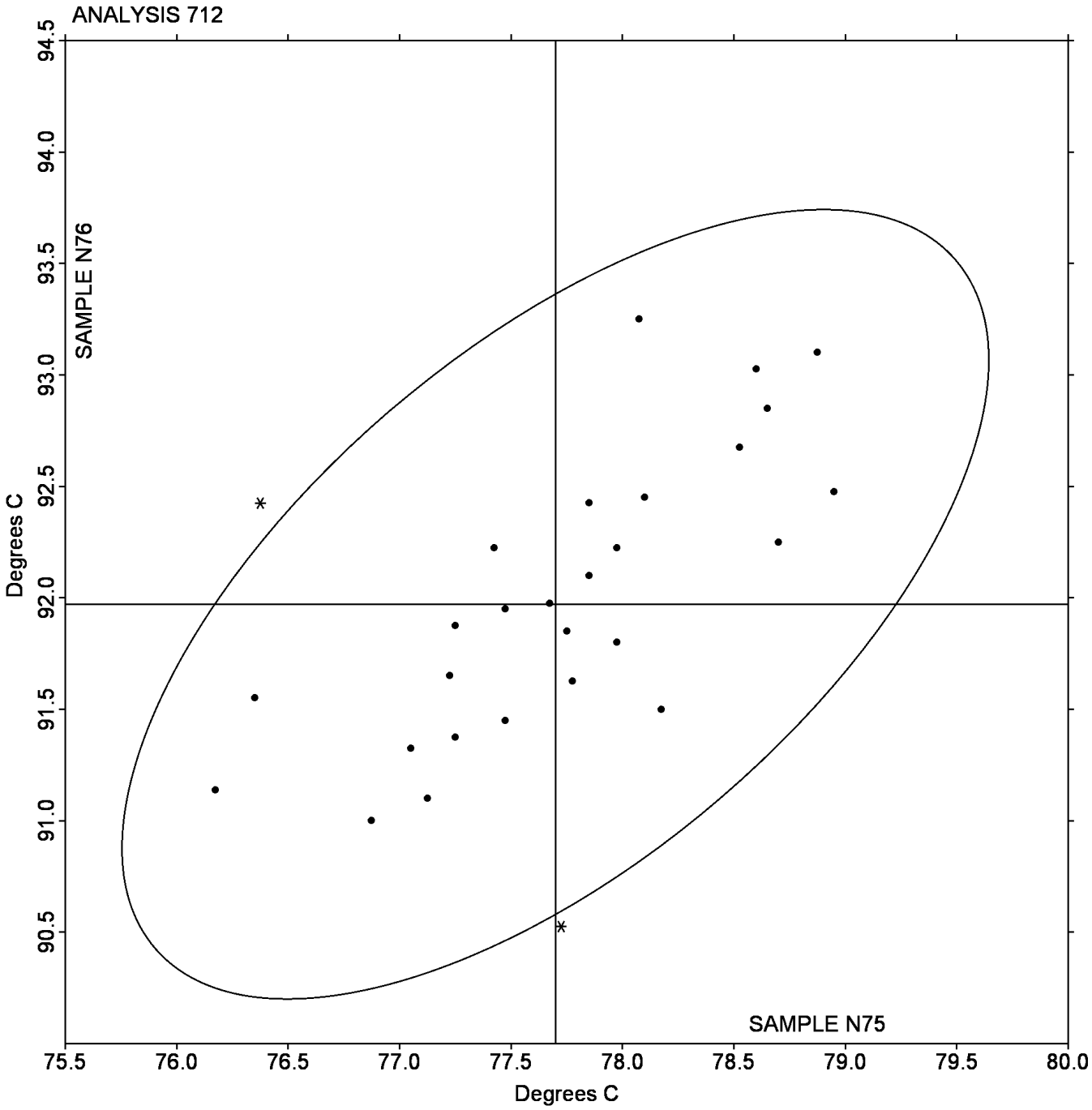
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 712

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

Grand Mean Sample N75: 77.699 Degrees C Grand Mean Sample N76: 91.971 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)

		Sample H75			Sample H76			
WebCode	Data Flag	Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	Instr Code
22PV71		104.00	-0.37	-0.32	103.83	-0.38	-0.34	RO
26EU8J		104.60	0.23	0.20	104.38	0.17	0.14	XX
2MBR4P		104.47	0.10	0.09	104.65	0.43	0.38	TO
3S3GYB		103.67	-0.70	-0.62	103.33	-0.88	-0.78	AT
73ZZK8		102.68	-1.69	-1.48	102.13	-2.08	-1.83	EC
8DY64Y		105.50	1.13	0.99	105.47	1.25	1.09	TO
8P1CXD		103.05	-1.32	-1.16	103.43	-0.78	-0.69	XX
B49Q91		102.60	-1.77	-1.55	102.63	-1.58	-1.39	CE
BQY84B		102.78	-1.59	-1.39	102.42	-1.80	-1.58	AT
C7H5QX		103.42	-0.95	-0.84	103.25	-0.97	-0.85	CE
FFE4WV		105.23	0.86	0.76	105.30	1.08	0.95	CE
GD4JQ7		105.58	1.21	1.06	105.57	1.35	1.18	XX
L6GQAQ		106.00	1.63	1.43	105.83	1.62	1.42	CE
MTGS35		106.60	2.23	1.96	106.75	2.53	2.22	CE
R4RFTY		104.05	-0.32	-0.28	103.93	-0.28	-0.25	CE
SNW1RB		105.00	0.63	0.55	103.97	-0.25	-0.22	TO
SUPX2L	*	106.18	1.81	1.59	104.70	0.48	0.42	RR
TXDLCE		104.10	-0.27	-0.24	103.55	-0.67	-0.59	CE
U59CHS		103.78	-0.59	-0.51	103.80	-0.42	-0.37	XX
VRBVJY		102.70	-1.67	-1.46	102.95	-1.27	-1.11	DN
VRVP8H		105.07	0.70	0.61	104.73	0.52	0.45	AT
XPFG5S		104.32	-0.05	-0.05	104.50	0.28	0.25	CE
Y7ZKNS		104.92	0.55	0.48	105.28	1.07	0.93	CE
ZS41LE		104.95	0.58	0.51	105.07	0.85	0.74	TO
ZT8CYR		103.98	-0.39	-0.34	103.98	-0.23	-0.21	TY

Plastics Interlaboratory Testing Program

Analysis 715

Vicat Softening Temperature (Rate A)

Summary Statistics

Grand Means		
	104.369 Degrees C	104.218 Degrees C
Stnd Dev Btwn Labs		
	1.141 Degrees C	1.141 Degrees C

Statistics based on 25 of 25 reporting participants

Sample H75: ABS & Sample H76: ABS

Instrument Code List as Reported by the Labs

(AT) - Atlas

(CE) - Ceast

(DN) - DYNISCO

(EC) - Exacal

(RO) - Rosand

(RR) - Ray-Ran

(TO) - Tinius Olsen

(TY) - Toyoseiki

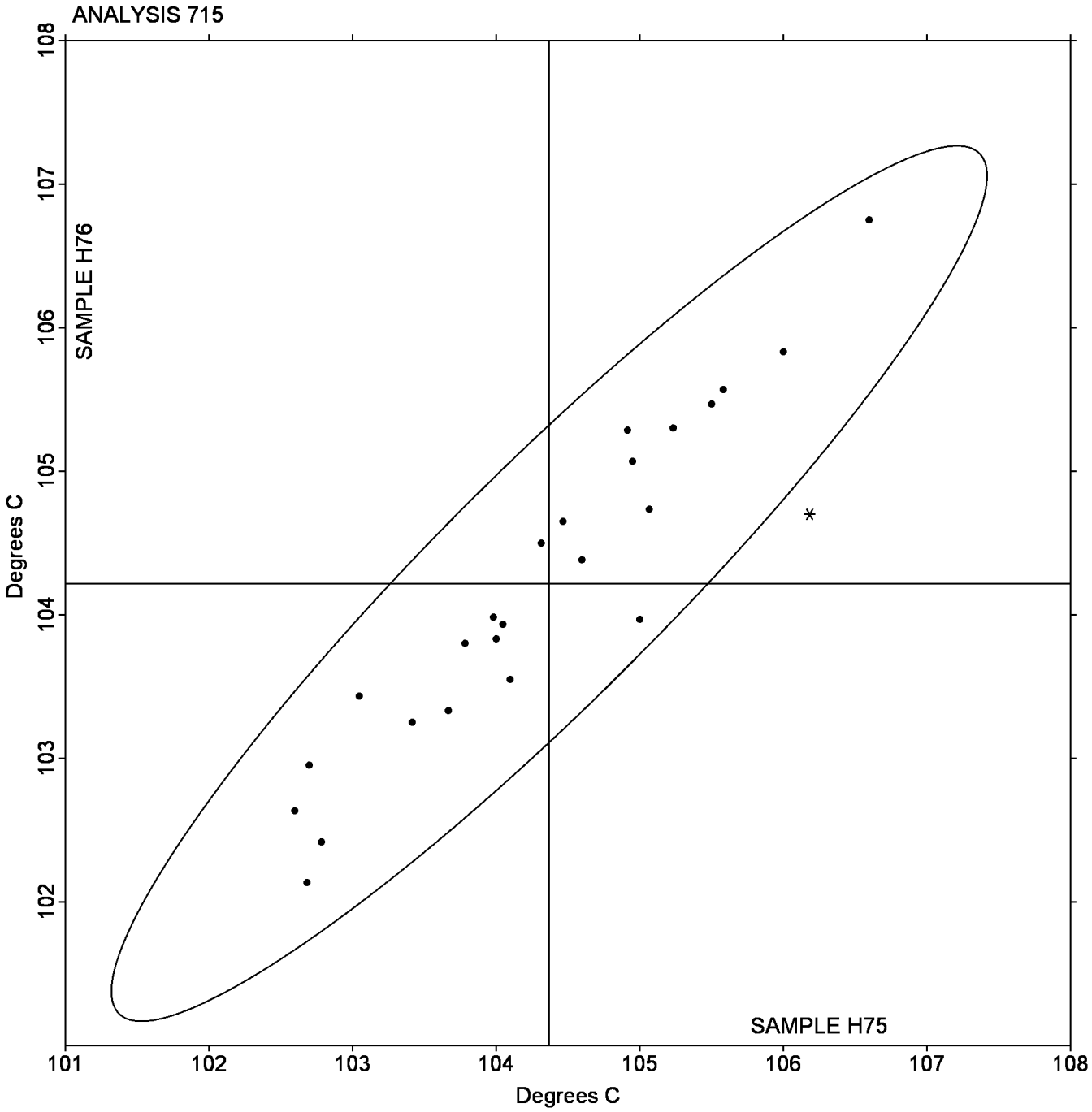
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 715

Vicat Softening Temperature (Rate A)

Grand Mean Sample H75: 104.37 Degrees C Grand Mean Sample H76: 104.22 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 R75 Lab Mean	Sample R75 Diff from Grand Mean	Sample R75 CPV	Sample R76 Lab Mean	Sample R76 Diff from Grand Mean	Sample R76 CPV	Instr Code
3L7PK9		106.68	0.93	0.90	106.62	0.97	0.87	CE
412ZMB		105.85	0.09	0.09	105.88	0.24	0.21	TO
4WS9Q5		107.83	2.08	2.01	108.00	2.36	2.11	CE
91FKSG		106.45	0.69	0.67	106.82	1.17	1.05	CE
9TCTSN		105.52	-0.24	-0.23	105.48	-0.16	-0.14	CE
A8B7AA		103.82	-1.94	-1.88	103.78	-1.86	-1.67	CE
ADU692		105.47	-0.29	-0.28	105.42	-0.23	-0.20	AT
CGKDEV		107.00	1.24	1.20	106.90	1.26	1.12	TO
DY3ZKJ		106.12	0.36	0.35	105.28	-0.36	-0.32	TO
HNWGMC		106.30	0.54	0.53	106.28	0.64	0.57	XX
J4RMSJ		104.07	-1.69	-1.64	104.10	-1.54	-1.38	TO
JQCSVV		106.45	0.69	0.67	106.37	0.72	0.65	XX
JZX1DX		104.57	-1.19	-1.15	104.65	-0.99	-0.89	EC
K9NWYZ		105.73	-0.02	-0.02	105.90	0.26	0.23	TO
L61THR		105.95	0.19	0.19	105.65	0.01	0.00	AT
P2TYCX		105.23	-0.52	-0.51	105.15	-0.49	-0.44	XX
QWE1CX		106.90	1.14	1.11	106.87	1.22	1.09	XX
RTA74A		105.52	-0.24	-0.23	105.18	-0.46	-0.41	RO
RZXH6Y	*	105.73	-0.02	-0.02	104.62	-1.03	-0.92	XX
UCMA4R		104.82	-0.94	-0.91	104.15	-1.49	-1.34	AT
UHXTC2	X	108.67	2.91	2.82	107.10	1.46	1.30	CE
V35C58		104.05	-1.71	-1.66	104.12	-1.53	-1.37	XX
W9MQLC		105.70	-0.06	-0.06	105.65	0.01	0.00	TY
XHUPTT		105.50	-0.26	-0.25	105.65	0.01	0.00	CE
XUZBMS		106.65	0.89	0.87	106.33	0.69	0.62	XX
ZUX4VV		104.50	-1.26	-1.22	104.32	-1.33	-1.19	DN
ZVXPW9		107.30	1.54	1.50	107.60	1.96	1.75	CE

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

Summary Statistics

Grand Means		
	105.758 Degrees C	105.645 Degrees C
Stnd Dev Btwn Labs		
	1.031 Degrees C	1.117 Degrees C
		Statistics based on 26 of 27 reporting participants

Sample R75: ABS & Sample R76: ABS

Comments on assigned Data Flags for Test #716

UHXTC2 (X) - Inconsistent in testing between samples, data for Sample R75 are high.

Instrument Code List as Reported by the Labs

(AT) - Atlas

(CE) - Ceast

(DN) - DYNISCO

(EC) - Exacal

(RO) - Rosand

(TO) - Tinius Olsen

(TY) - Toyoseiki

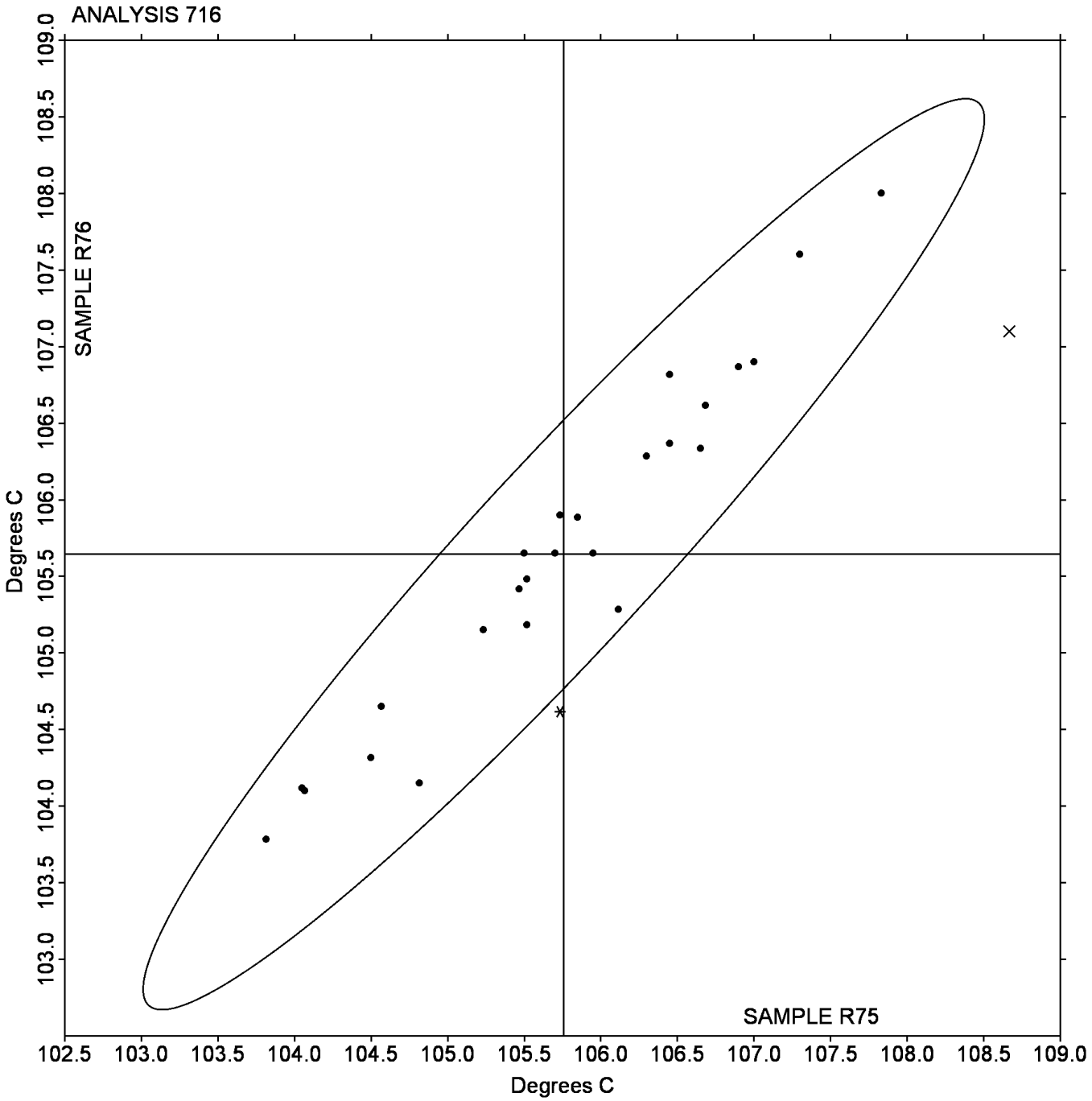
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 716

Vicat Softening Temperature (Rate B)

Grand Mean Sample R75: 105.76 Degrees C Grand Mean Sample R76: 105.64 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 X75 Lab Mean	Sample X75 Diff from Grand Mean	Sample X75 CPV	Sample X76 Lab Mean	Sample X76 Diff from Grand Mean	Sample X76 CPV	Instr Code
1JA2XE	*	7.74	0.38	2.47	10.17	0.78	2.96	KA
1SYC3A		7.35	-0.01	-0.06	9.65	0.26	1.00	TO
1W3LLX		7.31	-0.05	-0.33	9.56	0.17	0.64	XX
1XPXSW		7.30	-0.06	-0.39	9.20	-0.19	-0.71	TO
2664J7	*	7.78	0.42	2.74	9.77	0.38	1.46	TO
2SW9M4		7.45	0.09	0.59	9.35	-0.04	-0.14	KA
2W53CP	X	9.35	1.99	13.09	14.25	4.86	18.51	KA
2XCUE3		7.30	-0.06	-0.39	9.30	-0.09	-0.33	KA
34RYSV		7.20	-0.16	-1.05	9.20	-0.19	-0.71	XX
3JMWKD		7.40	0.04	0.27	9.40	0.01	0.05	TO
3XURAA		7.45	0.09	0.59	9.25	-0.14	-0.52	TO
4JBL5S		7.40	0.04	0.27	9.50	0.11	0.43	TY
4L46V3		7.15	-0.21	-1.38	9.25	-0.14	-0.52	TO
4MAGHA		7.25	-0.11	-0.72	9.25	-0.14	-0.52	TO
4SFACR		7.10	-0.26	-1.71	9.20	-0.19	-0.71	TO
4Y9MX8		7.36	0.00	0.00	9.63	0.24	0.92	CE
5CKUZJ	X	7.25	-0.11	-0.75	7.68	-1.70	-6.48	AT
5Y5P1H		7.30	-0.06	-0.39	8.95	-0.44	-1.66	TO
62V4DX		7.33	-0.03	-0.23	9.26	-0.13	-0.50	TO
66SPEN		7.50	0.14	0.92	9.20	-0.19	-0.71	XX
69BFTG		7.40	0.04	0.27	9.55	0.16	0.62	TO
6EEPP5		7.30	-0.06	-0.39	8.85	-0.54	-2.05	TO
6PAVBY	X	8.00	0.64	4.21	10.00	0.61	2.33	XX
6YK7N9		7.12	-0.24	-1.56	9.15	-0.24	-0.91	CE
7GRL6G		7.41	0.05	0.30	9.48	0.09	0.34	TO
8GGLLJ		7.05	-0.31	-2.04	9.15	-0.24	-0.90	TO
8J7WBC		7.50	0.14	0.92	9.40	0.01	0.05	TO
9WEK91		7.40	0.04	0.27	9.35	-0.04	-0.14	DY
AC11L2	X	10.30	2.94	19.34	11.75	2.36	9.00	KA
AF3PE6		7.25	-0.11	-0.72	9.35	-0.04	-0.14	TO
AYQ2FH		7.35	-0.01	-0.06	9.10	-0.29	-1.09	TO
B4NBJM		7.10	-0.26	-1.71	9.25	-0.14	-0.52	TO

Plastics Interlaboratory Testing Program

Analysis 750

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

WebCode	Data Flag	Sample X75 Lab Mean	Sample X75 Diff from Grand Mean	Sample X75 CPV	Sample X76 Lab Mean	Sample X76 Diff from Grand Mean	Sample X76 CPV	Instr Code
BKNTC8		7.35	-0.01	-0.06	9.60	0.21	0.81	TO
BLFSCC		7.65	0.29	1.93	9.87	0.48	1.82	TO
BWKPS2		7.40	0.04	0.27	9.30	-0.09	-0.33	GO
C5QXRE		7.52	0.16	1.02	9.52	0.13	0.51	TO
CZC339		7.23	-0.13	-0.86	9.45	0.06	0.23	TO
D6AC3F		7.37	0.01	0.07	9.69	0.30	1.13	TO
DDGGGD	X	8.10	0.74	4.87	10.20	0.81	3.09	DY
DRVSAH		7.40	0.04	0.27	9.50	0.11	0.43	TO
EDEDHF		7.45	0.09	0.56	9.19	-0.20	-0.77	TO
EXNP5L		7.20	-0.16	-1.05	9.40	0.01	0.05	XX
FD3XC5		7.21	-0.15	-1.02	9.11	-0.28	-1.06	KA
FLUEGQ		7.62	0.26	1.71	9.94	0.55	2.10	CS
G4JJBN		7.44	0.08	0.53	9.65	0.26	0.98	KA
GMNUR6		7.58	0.22	1.46	9.71	0.32	1.22	XX
GSY77J		7.35	-0.01	-0.06	9.40	0.01	0.05	TO
GUYVHU		7.15	-0.21	-1.38	9.25	-0.14	-0.52	GO
HLAUUQ		7.45	0.09	0.59	9.07	-0.32	-1.22	KA
HNJUC4		7.08	-0.28	-1.87	9.07	-0.32	-1.21	TO
HZHFXG		7.61	0.25	1.65	9.73	0.34	1.29	GO
K492PL		7.35	-0.01	-0.06	9.35	-0.04	-0.14	TO
K9Q8P6		7.30	-0.06	-0.42	9.18	-0.21	-0.80	KA
KK2Z8P	X	6.50	-0.86	-5.65	8.90	-0.49	-1.85	GO
KQCZUD		7.25	-0.11	-0.72	9.25	-0.14	-0.52	DY
KVA4P6		7.47	0.11	0.73	9.77	0.38	1.46	TO
KW95YG		7.40	0.04	0.27	9.60	0.21	0.81	XX
LGJN3C		7.41	0.05	0.30	9.31	-0.08	-0.29	DY
LRMKVF		7.41	0.05	0.32	9.23	-0.15	-0.58	GO
LVRECQ		7.25	-0.11	-0.75	9.20	-0.19	-0.73	TO
LXNMXD	X	6.75	-0.61	-3.98	8.41	-0.98	-3.72	QT
MEGHGA		7.64	0.28	1.82	9.63	0.24	0.92	TO
MX6XHM		7.45	0.09	0.59	9.25	-0.14	-0.52	TO
NBEDHV	*	7.30	-0.06	-0.39	8.75	-0.64	-2.43	DY

Plastics Interlaboratory Testing Program

Analysis 750

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

WebCode	Data Flag	Sample X75 Lab Mean	Sample X75 Diff from Grand Mean	Sample X75 CPV	Sample X76 Lab Mean	Sample X76 Diff from Grand Mean	Sample X76 CPV	Instr Code
NCDS5T	*	7.15	-0.21	-1.38	9.75	0.36	1.38	TO
NH7X4H		7.35	-0.01	-0.10	9.04	-0.35	-1.34	TO
NJEU11		7.23	-0.13	-0.89	9.36	-0.03	-0.12	CE
P36WV2		7.30	-0.06	-0.39	9.40	0.01	0.05	TO
PQYMYY		7.45	0.09	0.59	9.60	0.21	0.81	TO
PRCSFG		7.20	-0.16	-1.05	9.25	-0.14	-0.52	WZ
PZW687		7.26	-0.10	-0.66	9.23	-0.16	-0.60	WZ
QATHWL	*	7.55	0.19	1.25	9.10	-0.29	-1.09	TO
QEBGMM		7.40	0.04	0.27	9.65	0.26	1.00	RR
QMWKSG		7.39	0.03	0.18	9.71	0.33	1.24	TO
RT5D3B		7.50	0.14	0.92	9.90	0.51	1.95	AT
S1G33H		7.00	-0.36	-2.37	9.00	-0.39	-1.47	TO
S6UD8P		7.45	0.09	0.59	9.40	0.01	0.05	TO
TARLLC		7.33	-0.03	-0.17	9.48	0.10	0.37	DY
TGU4RB		7.20	-0.16	-1.05	9.10	-0.29	-1.09	XX
TMU884		7.30	-0.06	-0.39	9.30	-0.09	-0.33	DY
TVSUPG		7.46	0.10	0.63	9.85	0.46	1.76	WZ
U1GF8M		7.29	-0.07	-0.47	9.38	-0.01	-0.04	KA
VR27T6	X	7.98	0.62	4.07	9.99	0.61	2.31	XX
WMSNNR		7.35	-0.01	-0.10	9.50	0.11	0.41	GO
WUWG46		7.40	0.04	0.27	9.20	-0.19	-0.71	TO
XUVUBM	X	7.95	0.59	3.88	10.31	0.92	3.51	TO
XY4WYX		7.40	0.04	0.27	9.40	0.01	0.05	TO
YU3MGT		7.50	0.14	0.89	9.21	-0.18	-0.67	DY
ZXL3BY		7.55	0.19	1.25	9.55	0.16	0.62	XX

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

Summary Statistics

Grand Means	7.360 grams/10 mins	9.387 grams/10 mins
Stnd Dev Btwn Labs	0.152 grams/10 mins	0.263 grams/10 mins

Statistics based on 80 of 89 reporting participants

Sample X75: PE & Sample X76: PE

Comments on assigned Data Flags for Test #750

2W53CP (X) - Data for both samples are high.

5CKUZJ (X) - Low data for Sample X76

6PAVBY (X) - High data for Sample X75.

AC11L2 (X) - Data for both samples are high.

DDGGGD (X) - Data for both samples are high.

KK2Z8P (X) - Low data for Sample X75 .

LXNMXD (X) - Data for both samples are low.

VR27T6 (X) - High data for Sample X75.

XUVUBM (X) - Data for both samples are high. Possible Systematic Error.

Instrument Code List as Reported by the Labs

(AT) - Atlas

(CE) - Ceast

(CS) - CSI

(DY) - Dynisco

(GO) - Gottfert

(KA) - Kayeness

(QT) - Qualitest

(RR) - Ray Ran

(TO) - Tinius Olsen

(TY) - Toyoseiki Seisakusho

(WZ) - Zwick

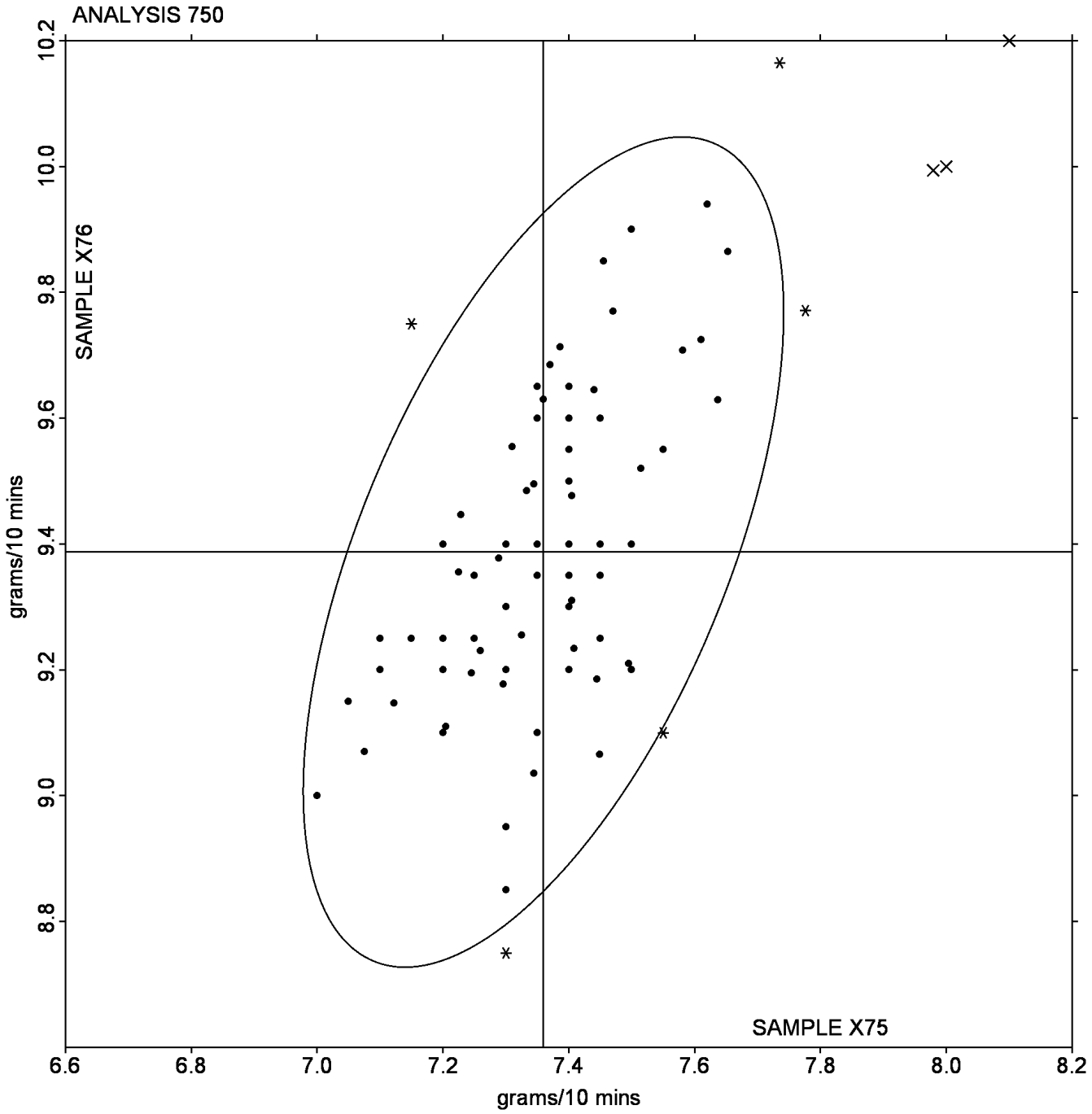
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 750

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

Grand Mean Sample X75: 7.3596 grams/10 mins Grand Mean Sample X76: 9.3873 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 T75 Lab Mean	Sample T75 Diff from Grand Mean	Sample T75 CPV	Sample T76 Lab Mean	Sample T76 Diff from Grand Mean	Sample T76 CPV	Instr Code
16LJ9W		1.04617	0.00203	1.10	1.04703	0.00207	1.00	XX
17FA99		1.04377	-0.00037	-0.20	1.04543	0.00047	0.23	XX
2D2JCZ		1.04503	0.00090	0.49	1.04507	0.00010	0.05	XX
31S7CP		1.04427	0.00013	0.07	1.04693	0.00197	0.95	XX
337E8W		1.04427	0.00013	0.07	1.04617	0.00120	0.58	XX
3NT4HD		1.04683	0.00270	1.46	1.04790	0.00294	1.42	XX
3RERG3		1.04460	0.00047	0.25	1.04563	0.00067	0.32	XX
4189WQ		1.04500	0.00087	0.47	1.04600	0.00104	0.50	XX
42TQPZ		1.04123	-0.00290	-1.56	1.04233	-0.00263	-1.27	XX
48LUQ8		1.04100	-0.00313	-1.69	1.04200	-0.00296	-1.43	XX
4CJJKF		1.04547	0.00133	0.72	1.04697	0.00200	0.97	XX
4GDHSJ		1.04300	-0.00113	-0.61	1.04537	0.00040	0.19	XX
4YZPXB		1.04570	0.00157	0.85	1.04673	0.00177	0.85	XX
51SSNC		1.04233	-0.00180	-0.97	1.04300	-0.00196	-0.95	XX
5PZ6MK		1.04283	-0.00130	-0.70	1.04430	-0.00066	-0.32	XX
5VYBYV		1.04343	-0.00070	-0.38	1.04370	-0.00126	-0.61	XX
6MPNZ8		1.04590	0.00177	0.95	1.04610	0.00114	0.55	XX
74CKC4		1.04133	-0.00280	-1.51	1.04267	-0.00230	-1.11	XX
7WMHDY		1.04567	0.00153	0.83	1.04563	0.00067	0.32	XX
7Y6W23		1.04560	0.00147	0.79	1.04643	0.00147	0.71	XX
8D7FCH		1.04140	-0.00273	-1.47	1.04120	-0.00376	-1.82	XX
8DRNNC		1.04533	0.00120	0.65	1.04683	0.00187	0.90	XX
8YZ9LL		1.04407	-0.00007	-0.04	1.04327	-0.00170	-0.82	XX
9SG6FJ		1.04273	-0.00140	-0.75	1.04200	-0.00296	-1.43	XX
9W3CAJ		1.04473	0.00060	0.32	1.04570	0.00074	0.36	XX
AGHMKA	X	1.04767	0.00353	1.91	1.04233	-0.00263	-1.27	XX
B42QYJ		1.04350	-0.00063	-0.34	1.04443	-0.00053	-0.26	XX
BGRU7F		1.04553	0.00140	0.76	1.04623	0.00127	0.61	XX
BHRLPW	X	1.05280	0.00867	4.68	1.05857	0.01360	6.57	XX
BVZ564		1.04263	-0.00150	-0.81	1.04243	-0.00253	-1.22	XX
BX96AB		1.04290	-0.00123	-0.67	1.04173	-0.00323	-1.56	XX
C2AJXT		1.04637	0.00223	1.20	1.04670	0.00174	0.84	XX

Plastics Interlaboratory Testing Program

Analysis 718

Specific Gravity - sp gr 23/23 C

		Sample T75			Sample T76			
WebCode	Data Flag	Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	Instr Code
CPAXEW		1.04600	0.00187	1.01	1.04690	0.00194	0.93	XX
CZKWCJ		1.04290	-0.00123	-0.67	1.04410	-0.00086	-0.42	XX
DCPXMK		1.04600	0.00187	1.01	1.04700	0.00204	0.98	XX
DE4P9V		1.04590	0.00177	0.95	1.04667	0.00170	0.82	XX
E2LHBT		1.04303	-0.00110	-0.59	1.04293	-0.00203	-0.98	XX
E3YS6S	X	0.96260	-0.08153	-43.98	0.96107	-0.08390	-40.50	XX
EC5S27	X	1.03617	-0.00797	-4.30	1.11393	0.06897	33.30	XX
ET5XXV		1.04553	0.00140	0.76	1.04610	0.00114	0.55	XX
FD2DJ5	*	1.03867	-0.00547	-2.95	1.04010	-0.00486	-2.35	XX
FD8QJN		1.04597	0.00183	0.99	1.04723	0.00227	1.10	XX
FSGN11	X	1.03890	-0.00523	-2.82	1.04553	0.00057	0.27	XX
FTA3B6		1.04603	0.00190	1.03	1.04700	0.00204	0.98	XX
G77495		1.04600	0.00187	1.01	1.04800	0.00304	1.47	XX
G7AKWJ		1.04593	0.00180	0.97	1.04800	0.00304	1.47	XX
GG54JP		1.04657	0.00243	1.31	1.04730	0.00234	1.13	XX
GGRJ4L		1.04457	0.00043	0.23	1.04650	0.00154	0.74	XX
GQMVKH	X	1.03667	-0.00747	-4.03	1.03333	-0.01163	-5.62	XX
HKMQPG		1.04547	0.00133	0.72	1.04607	0.00110	0.53	XX
J7XAS3	X	1.02967	-0.01447	-7.80	1.02933	-0.01563	-7.55	XX
JVZQ44		1.04400	-0.00013	-0.07	1.04500	0.00004	0.02	XX
K8BC1N		1.04513	0.00100	0.54	1.04477	-0.00020	-0.10	XX
KWTC1L		1.04593	0.00180	0.97	1.04770	0.00274	1.32	XX
KY4MG4		1.04337	-0.00077	-0.41	1.04353	-0.00143	-0.69	XX
MD6PS2		1.04130	-0.00283	-1.53	1.04210	-0.00286	-1.38	XX
MDYLRK		1.04203	-0.00210	-1.13	1.04203	-0.00293	-1.41	XX
N1H46S		1.04187	-0.00227	-1.22	1.04107	-0.00390	-1.88	XX
N41GRD		1.04340	-0.00073	-0.40	1.04593	0.00097	0.47	XX
NRJDP6		1.04033	-0.00380	-2.05	1.04067	-0.00430	-2.07	XX
PHBE98		1.04523	0.00110	0.59	1.04633	0.00137	0.66	XX
PVV32T		1.04523	0.00110	0.59	1.04593	0.00097	0.47	XX
Q2LB8P		1.04417	0.00003	0.02	1.04433	-0.00063	-0.30	XX
Q5MW3V		1.04270	-0.00143	-0.77	1.04287	-0.00210	-1.01	XX

Plastics Interlaboratory Testing Program

Analysis 718

Specific Gravity - sp gr 23/23 C

WebCode	Data Flag	Sample T75 Lab Mean	Sample T75 Diff from Grand Mean	Sample T75 CPV	Sample T76 Lab Mean	Sample T76 Diff from Grand Mean	Sample T76 CPV	Instr Code
RT542J		1.04277	-0.00137	-0.74	1.04553	0.00057	0.27	XX
SFQWPZ	X	1.04393	-0.00020	-0.11	1.04117	-0.00380	-1.83	XX
SMXHF4		1.04237	-0.00177	-0.95	1.04347	-0.00150	-0.72	XX
SVNZ6H		1.04433	0.00020	0.11	1.04480	-0.00016	-0.08	XX
T59KM1		1.04467	0.00053	0.29	1.04687	0.00190	0.92	XX
TFVFBF		1.04270	-0.00143	-0.77	1.04420	-0.00076	-0.37	XX
TLWZWY		1.04400	-0.00013	-0.07	1.04533	0.00037	0.18	XX
TS9G4T		1.04537	0.00123	0.67	1.04617	0.00120	0.58	XX
TTSA4H		1.04533	0.00120	0.65	1.04543	0.00047	0.23	XX
U5JRP3		1.04477	0.00063	0.34	1.04557	0.00060	0.29	XX
U7JQFG		1.04563	0.00150	0.81	1.04510	0.00014	0.07	XX
UBD1DE		1.04487	0.00073	0.40	1.04543	0.00047	0.23	XX
UULWD6		1.04200	-0.00213	-1.15	1.04350	-0.00146	-0.71	XX
VGGTTC		1.04417	0.00003	0.02	1.04607	0.00110	0.53	XX
VKWLNB		1.04330	-0.00083	-0.45	1.04387	-0.00110	-0.53	XX
VV3BNE		1.04450	0.00037	0.20	1.04517	0.00020	0.10	XX
W224JE		1.04437	0.00023	0.13	1.04390	-0.00106	-0.51	XX
W8SAFG		1.04333	-0.00080	-0.43	1.04433	-0.00063	-0.30	XX
W9CKLV		1.04303	-0.00110	-0.59	1.04337	-0.00160	-0.77	XX
XXZLJ1		1.04133	-0.00280	-1.51	1.04200	-0.00296	-1.43	XX
YAF4DN	*	1.03867	-0.00547	-2.95	1.03897	-0.00600	-2.90	XX
YE8MFY		1.04557	0.00143	0.77	1.04650	0.00154	0.74	XX
YLNHX3	X	1.04233	-0.00180	-0.97	1.04600	0.00104	0.50	XX
YPLMHE		1.04573	0.00160	0.86	1.04830	0.00334	1.61	XX
Z5WHWZ		1.04530	0.00117	0.63	1.04553	0.00057	0.27	XX
Z9XLNM	*	1.04923	0.00510	2.75	1.04897	0.00400	1.93	XX
ZX5SUT		1.04400	-0.00013	-0.07	1.04467	-0.00030	-0.14	XX
ZYG7W1		1.04580	0.00167	0.90	1.04687	0.00190	0.92	XX

Plastics Interlaboratory Testing Program
Analysis 718
Specific Gravity - sp gr 23/23 C

Summary Statistics

Grand Means		
	1.044133 sp gr 23/23 C	1.044964 sp gr 23/23 C
Stnd Dev Btwn Labs		
	0.001854 sp gr 23/23 C	0.002071 sp gr 23/23 C

Statistics based on 83 of 92 reporting participants

Sample T75: ABS & Sample T76: ABS

Comments on assigned Data Flags for Test #718

AGHMKA (X) - Inconsistent in testing between samples.

BHRLPW (X) - Data for both samples are high.

E3YS6S (X) - Data for both samples are low.

EC5S27 (X) - Inconsistent in testing between samples. Low data for Sample F75 and High data for Sample F76.

FSGN11 (X) - Inconsistent in testing between samples.

GQMVKH (X) - Data for both samples are low.

J7XAS3 (X) - Data for both samples are low.

SFQWPZ (X) - Inconsistent in testing between samples.

YLNHX3 (X) - Inconsistent in testing between samples.

Instrument Code List as Reported by the Labs

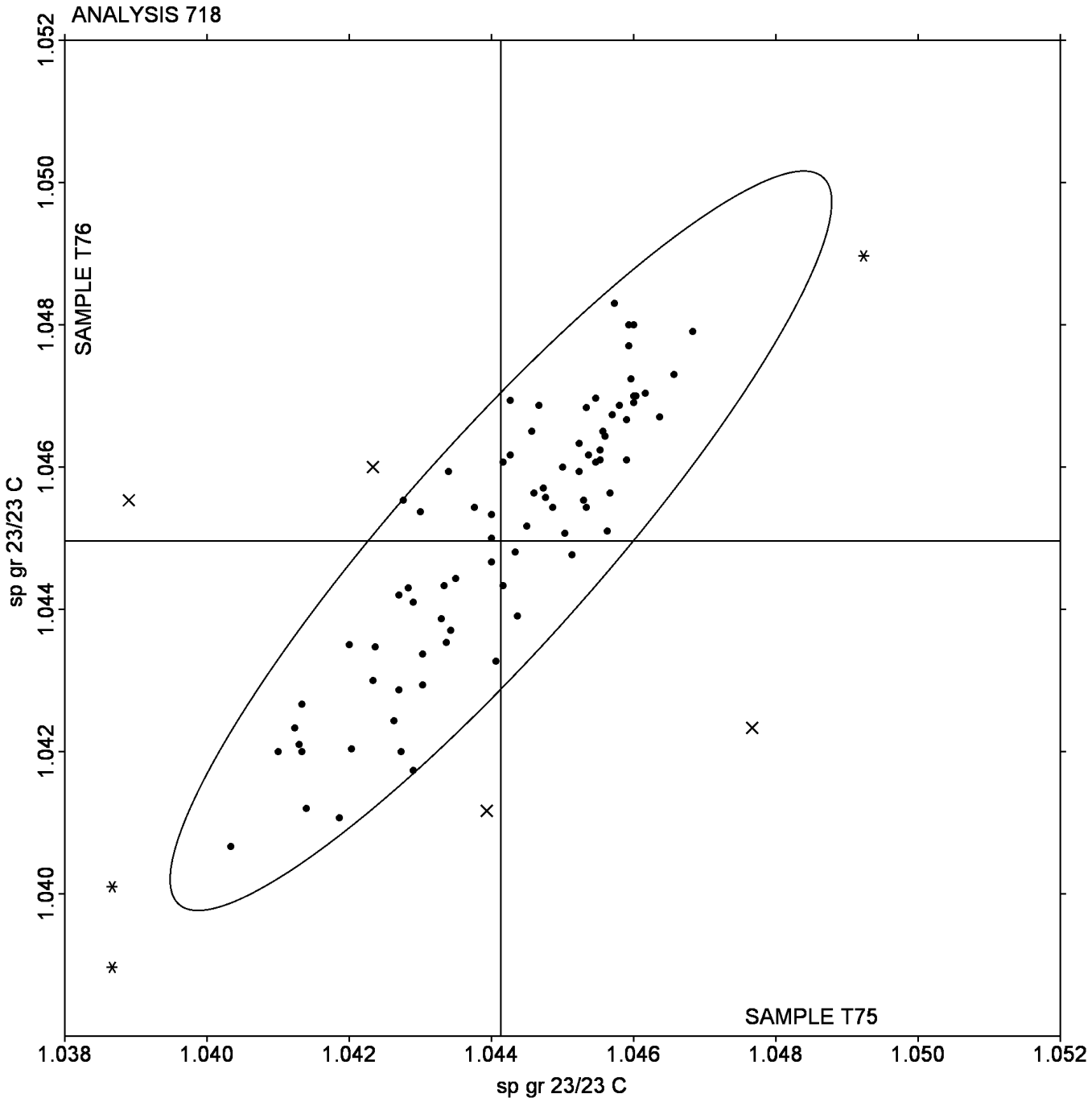
(XX) - Instrument Codes not used by CTS at this time

Plastics Interlaboratory Testing Program

Analysis 718

Specific Gravity - sp gr 23/23 C

Grand Mean Sample T75: 1.0441 sp gr 23/23 C Grand Mean Sample T76: 1.0450 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 L75 Lab Mean	Sample L75 Diff from Grand Mean	Sample L75 CPV	Sample L76 Lab Mean	Sample L76 Diff from Grand Mean	Sample L76 CPV	Instr Code
2ARLMB		15.150	-0.002	-0.02	17.680	-0.238	-1.10	XX
2KLSN5		15.065	-0.087	-1.06	18.140	0.222	1.03	XX
2M2RJB		15.230	0.078	0.96	17.810	-0.108	-0.50	XX
3XELCR		15.171	0.019	0.23	17.988	0.070	0.33	XX
465AAW	X	14.845	-0.307	-3.76	17.875	-0.043	-0.20	XX
4AJVBE		15.205	0.053	0.66	17.970	0.052	0.24	XX
5EHDK4		15.120	-0.032	-0.39	17.895	-0.023	-0.11	XX
5VAP8C	X	11.731	-3.421	-41.99	12.972	-4.946	-22.94	XX
6BBQHT		15.150	-0.002	-0.02	17.845	-0.073	-0.34	XX
6CY2P7		15.285	0.133	1.64	17.870	-0.048	-0.22	XX
73UPFA	*	15.030	-0.122	-1.49	18.360	0.442	2.05	XX
7JDA9S		15.325	0.173	2.13	17.815	-0.103	-0.48	XX
8G3Q5R		15.060	-0.092	-1.12	17.665	-0.253	-1.17	XX
8LJK6Q		15.230	0.078	0.96	17.970	0.052	0.24	XX
9ZC1D3		15.265	0.113	1.39	18.090	0.172	0.80	XX
A548AM		15.150	-0.002	-0.02	18.300	0.382	1.77	XX
B3UJN4		15.050	-0.102	-1.25	17.890	-0.028	-0.13	XX
BKJFGK		15.135	-0.017	-0.20	17.765	-0.153	-0.71	XX
C6L6JB		15.120	-0.032	-0.39	17.755	-0.163	-0.76	XX
CGUC1Y		15.153	0.001	0.01	17.725	-0.193	-0.90	XX
CUJMKX		15.045	-0.107	-1.31	17.530	-0.388	-1.80	XX
E2UDB7		15.350	0.198	2.44	17.910	-0.008	-0.04	XX
EHX1GZ	X	15.180	0.028	0.35	12.992	-4.926	-22.85	XX
G6RFT6		15.174	0.022	0.27	18.156	0.238	1.10	XX
J7SVVU	X	13.975	-1.177	-14.44	16.825	-1.093	-5.07	XX
JDM2V3	X	14.400	-0.752	-9.23	17.550	-0.368	-1.71	XX
JDWKNZ		15.080	-0.072	-0.88	17.815	-0.103	-0.48	XX
KEC54G		15.125	-0.027	-0.33	17.990	0.072	0.33	XX
KYWF23		15.220	0.068	0.84	18.055	0.137	0.64	XX
LN5H72	*	15.165	0.013	0.16	18.580	0.662	3.07	XX
NGQGK3		15.084	-0.068	-0.83	17.682	-0.236	-1.09	XX
NNH8CL		15.245	0.093	1.15	18.265	0.347	1.61	XX

Plastics Interlaboratory Testing Program

Analysis 757

Ash Content in Thermoplastics - Percent

WebCode	Data Flag	Sample L75 Lab Mean	Sample L75 Diff from Grand Mean	Sample L75 CPV	Sample L76 Lab Mean	Sample L76 Diff from Grand Mean	Sample L76 CPV	Instr Code
QCKYCE		15.090	-0.062	-0.76	17.670	-0.248	-1.15	XX
QSTDBH		15.125	-0.027	-0.33	18.065	0.147	0.68	XX
RGZS4X	X	15.560	0.408	5.01	17.965	0.047	0.22	XX
S1TR9B		15.140	-0.012	-0.14	17.920	0.002	0.01	XX
S786HC		15.195	0.043	0.53	18.000	0.082	0.38	XX
SGCDZZ		15.020	-0.132	-1.62	17.910	-0.008	-0.04	XX
U24C48		15.150	-0.002	-0.02	17.700	-0.218	-1.01	XX
U39XL3		15.080	-0.072	-0.88	17.730	-0.188	-0.87	XX
UMC9XR		15.245	0.093	1.15	18.025	0.107	0.50	XX
UW6L5S		15.150	-0.002	-0.02	17.860	-0.058	-0.27	XX
V9AZ6P		15.265	0.113	1.39	17.895	-0.023	-0.11	XX
XGB4UX		14.995	-0.157	-1.92	17.790	-0.128	-0.59	XX
XLZWKD		15.112	-0.040	-0.49	17.795	-0.123	-0.57	XX
XMVP6W		15.075	-0.077	-0.94	17.580	-0.338	-1.57	XX
Y6RR5R		15.180	0.028	0.35	18.100	0.182	0.84	XX
Y957AJ		15.175	0.023	0.29	18.125	0.207	0.96	XX
ZEU1WW		15.140	-0.012	-0.14	17.790	-0.128	-0.59	XX

Summary Statistics

	Sample L75	Sample L76
Grand Means	15.1516 Percent	17.9179 Percent
Stnd Dev Btwn Labs	0.0815 Percent	0.2156 Percent

Statistics based on 43 of 49 reporting participants

Sample L75: PBT & Sample L76: PBT

Comments on assigned Data Flags for Test #757

465AAW (X) - Laboratory did not submit data for Sample L75.

5VAP8C (X) - Data for both samples are low.

EHX1GZ (X) - Laboratory did not submit data for Sample L76.

J7SVVU (X) - Data for both samples are low.

JDM2V3 (X) - Low data for Sample L75 . Also inconsistent in testing within Sample L75.

RGZS4X (X) - High data for Sample L75.

Plastics Interlaboratory Testing Program

Analysis 757

Ash Content in Thermoplastics - Percent

Instrument Code List as Reported by the Labs

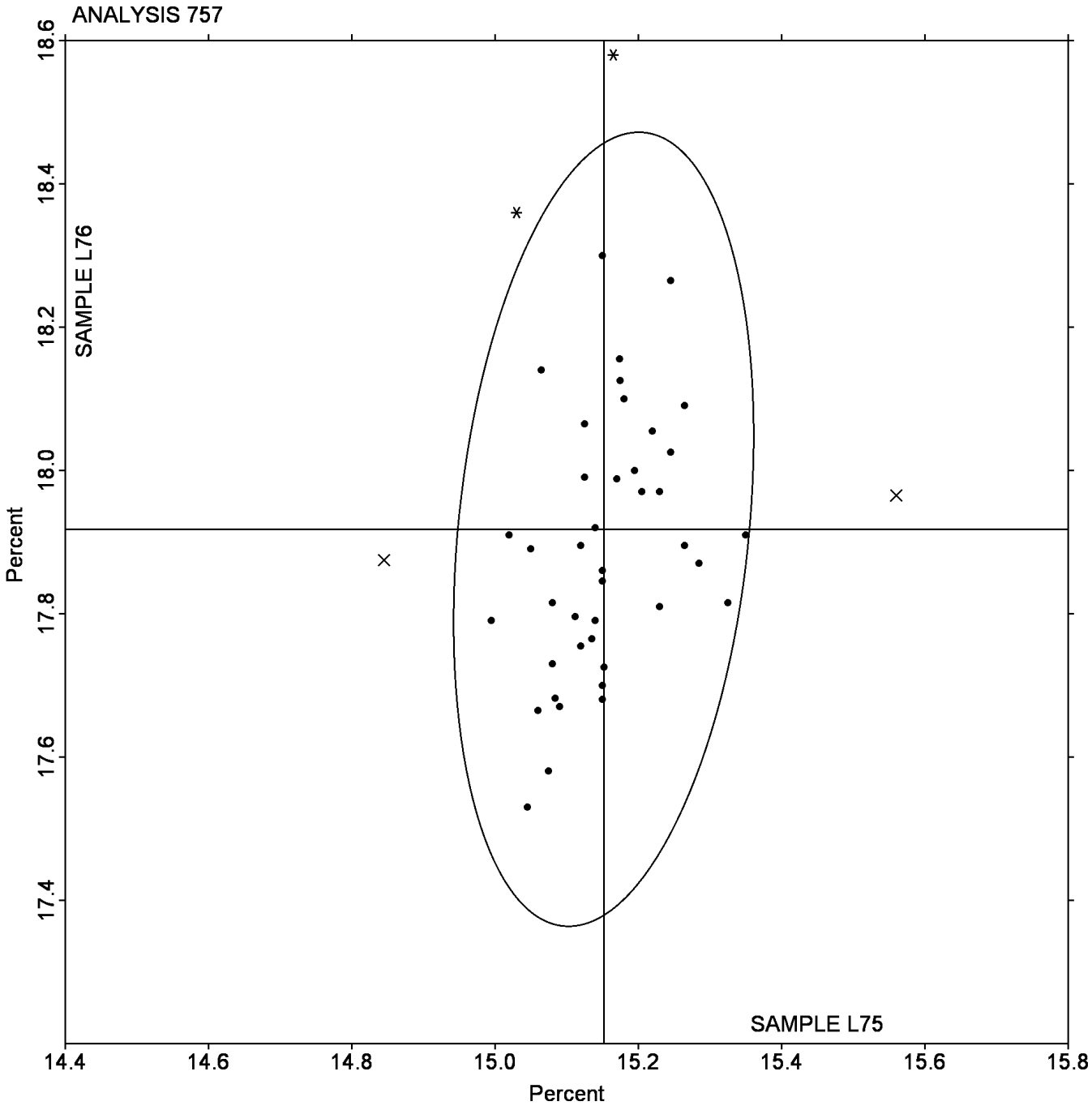
(XX) - Instrument Codes not used by CTS at this time

Plastics Interlaboratory Testing Program

Analysis 757

Ash Content in Thermoplastics - Percent

Grand Mean Sample L75: 15.152 Percent Grand Mean Sample L76: 17.918 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 B75 Lab Mean	Sample B75 Diff from Grand Mean	Sample B75 CPV	Sample B76 Lab Mean	Sample B76 Diff from Grand Mean	Sample B76 CPV	Instr Code
1VZGJB		1,779	-331	-1.24	1,751	-405	-1.37	IN
273AAY		1,465	-646	-2.42	1,416	-740	-2.49	IN
2HSU5C		2,230	119	0.45	2,281	125	0.42	IN
5FR1XH		1,716	-394	-1.48	1,697	-459	-1.55	IM
79ANAM		1,859	-252	-0.94	1,954	-202	-0.68	XX
8FGU6P		2,273	162	0.61	2,320	164	0.55	IN
91TN7A		1,584	-527	-1.98	1,560	-596	-2.01	UC
9BC6UF		2,324	213	0.80	2,466	310	1.04	TH
A56N42		2,281	170	0.64	2,415	258	0.87	TH
APZFDZ		2,110	0	0.00	2,139	-17	-0.06	IN
BEKVVG		1,708	-403	-1.51	1,761	-395	-1.33	MT
CND4A6		2,211	101	0.38	2,303	147	0.50	IN
DW2TMR		2,197	87	0.32	2,268	112	0.38	IN
EHCWF7		2,242	131	0.49	2,311	155	0.52	TY
FC65A1		2,202	91	0.34	2,209	53	0.18	TH
FQLSXT		2,329	219	0.82	2,375	219	0.74	IN
JPCZ6N		2,289	179	0.67	2,358	202	0.68	IN
KG414W	M	2,345	235	0.88	No data reported for this sample			SH
KS9X6T		2,101	-10	-0.04	2,270	114	0.38	IR
KVLLBC		2,284	174	0.65	2,286	130	0.44	IN
MY7ZUR		2,290	180	0.67	2,374	218	0.74	IM
NR6WYH		2,312	202	0.76	2,312	156	0.53	IN
R2QP4C		2,254	143	0.54	2,248	92	0.31	XX
RM66EA		2,229	119	0.44	2,236	80	0.27	XX
YNMZLJ		2,385	275	1.03	2,435	279	0.94	IN

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

Summary Statistics

Grand Means	2,110.6 psi	2,156.1 psi
Stnd Dev Btwn Labs	266.7 psi	296.7 psi

Statistics based on 24 of 25 reporting participants

Sample B75: LDPE & Sample B76: LDPE

Comments on assigned Data Flags for Test #770

KG414W (M) - Laboratory did not submit data for Sample B76.

Instrument Code List as Reported by the Labs

(IM) - Instru-Met Instruments

(IN) - Instron

(IR) - Instron with retrofit

(MT) - MTS/Sintech

(SH) - Shimadzu

(TH) - Thwing Albert

(TY) - Toyoseiki

(UC) - United

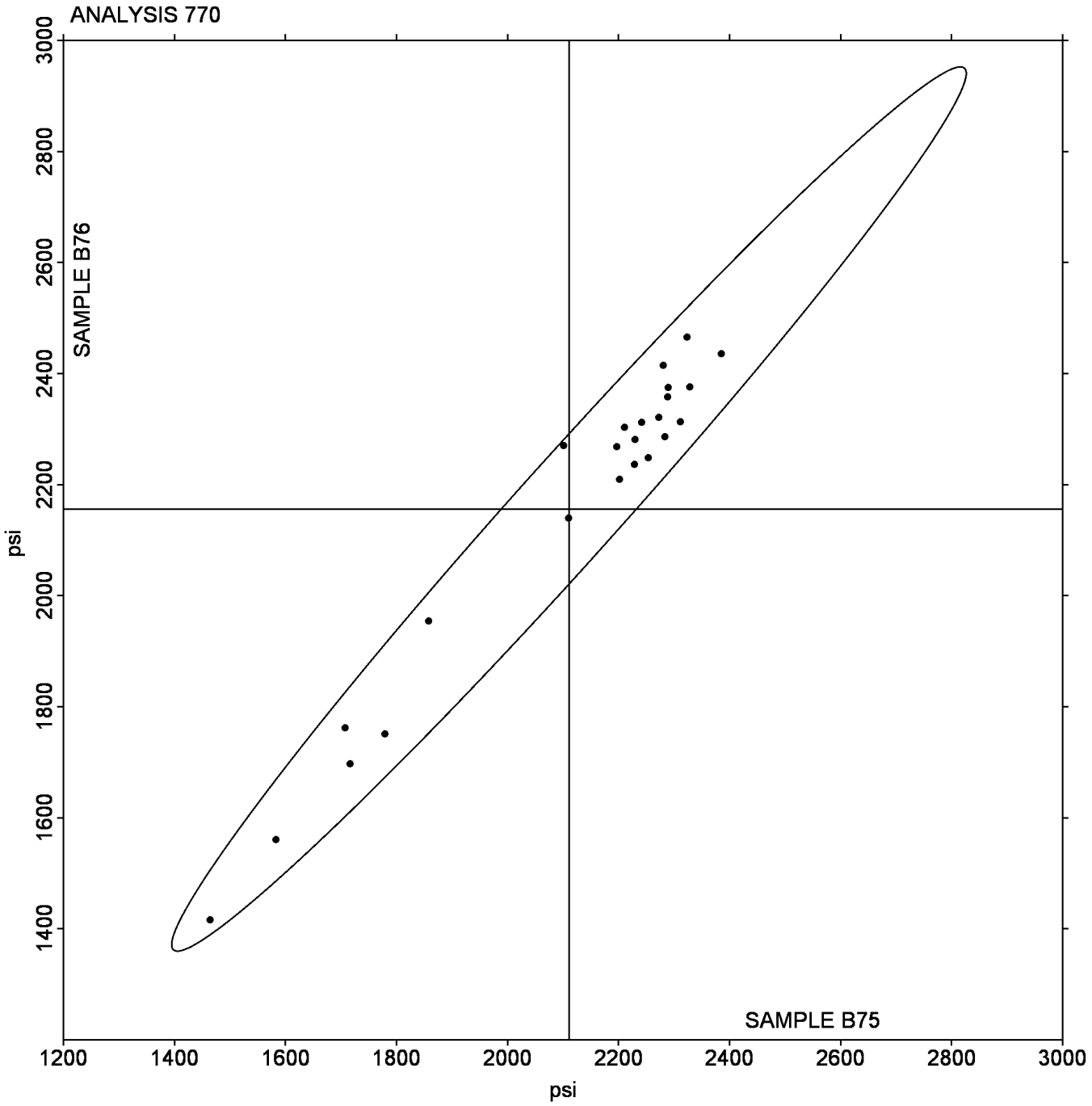
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 770

Tensile Stress at Yield, Film Samples - psi

Grand Mean Sample B75: 2,110.60 psi Grand Mean Sample B76: 2,156.11 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 B75 Lab Mean	Sample B75 Diff from Grand Mean	Sample B75 CPV	Sample B76 Lab Mean	Sample B76 Diff from Grand Mean	Sample B76 CPV	Instr Code
17RE21		4,110	329	1.24	3,913	119	0.37	XX
1PCTTK		4,020	238	0.90	4,053	258	0.80	IN
232BRU		3,270	-512	-1.94	3,082	-712	-2.21	XX
4JR3V6		3,559	-223	-0.84	3,558	-237	-0.73	IN
6A3NTM		3,519	-263	-1.00	3,772	-22	-0.07	IN
6QATSY		3,543	-239	-0.91	3,941	146	0.45	HO
7F4BR7		4,137	355	1.34	4,035	240	0.74	IN
8N1G6U	X	57	-3,725	-14.10	58	-3,737	-11.57	XX
8QPZYE		3,716	-66	-0.25	3,913	118	0.37	IM
9KHNYL		3,619	-163	-0.62	4,006	211	0.65	IN
9R7LUU		3,435	-347	-1.31	3,517	-278	-0.86	IN
A6WJBA		4,010	228	0.86	3,907	113	0.35	TY
CPA2PY		3,866	84	0.32	3,963	168	0.52	SH
DT4ARZ		3,551	-231	-0.87	3,745	-50	-0.15	IR
FH89RY		3,821	39	0.15	3,857	63	0.19	IN
GVXEPN		3,648	-134	-0.51	3,390	-404	-1.25	IN
HLXJEP		3,990	208	0.79	3,957	163	0.50	IN
KAT6DE		3,540	-242	-0.92	3,578	-217	-0.67	IN
L7EFMS		3,864	83	0.31	4,143	348	1.08	TH
LGTCMX		4,177	395	1.50	4,063	268	0.83	TH
LM2QE2		4,188	406	1.54	4,059	265	0.82	IN
N1B4VR		3,499	-283	-1.07	3,486	-308	-0.95	XX
Q9SDTR		3,911	129	0.49	3,851	56	0.17	IN
R4L7JL		3,979	197	0.75	4,121	326	1.01	IM
RFRR65		3,944	162	0.61	3,692	-103	-0.32	IN
SK421V	*	3,487	-295	-1.12	2,859	-936	-2.90	IN
VCWZLQ	X	2,302	-1,480	-5.60	2,371	-1,424	-4.41	UC
XCMC99		3,481	-301	-1.14	3,529	-266	-0.82	TO
Z1B195		4,040	258	0.98	4,031	237	0.73	TH
Z8GMMS		3,971	189	0.72	4,230	436	1.35	MT

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

Summary Statistics

Grand Means	3,781.9 psi	3,794.6 psi
Stnd Dev Btwn Labs	264.2 psi	322.9 psi

Statistics based on 28 of 30 reporting participants

Sample B75: LDPE & Sample B76: LDPE

Comments on assigned Data Flags for Test #771

8N1G6U (X) - Extreme data.

VCWZLQ (X) - Data for both samples are low.

Instrument Code List as Reported by the Labs

(HO) - Hounsfield Instruments

(IM) - Instru-Met Instruments

(IN) - Instron

(IR) - Instron with retrofit

(MT) - MTS/Sintech

(SH) - Shimadzu

(TH) - Thwing Albert

(TO) - Tinius Olsen

(TY) - Toyoseiki

(UC) - United

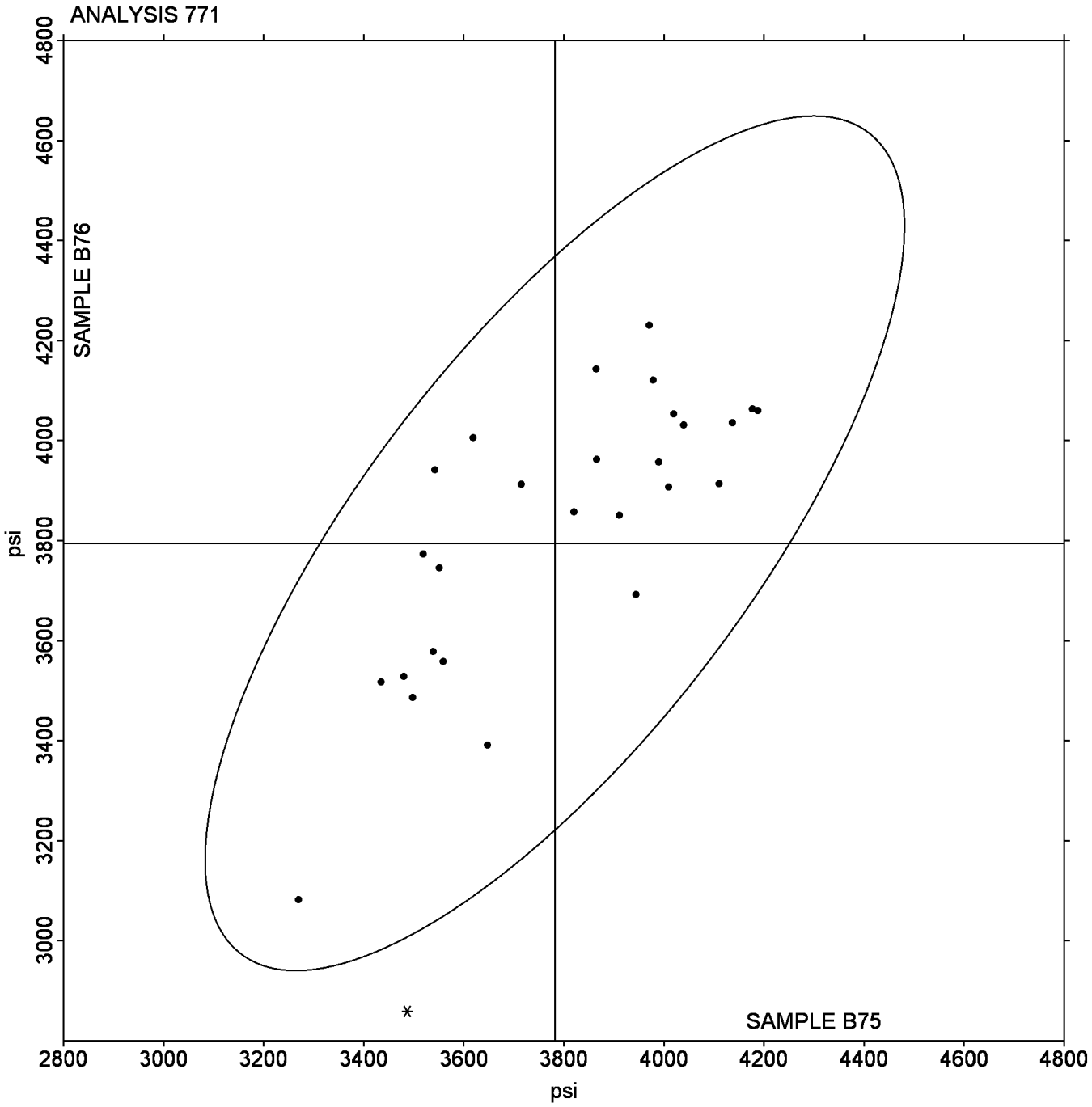
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 771

Tensile Stress at Break, Film Samples - psi

Grand Mean Sample B75: 3,781.88 psi Grand Mean Sample B76: 3,794.64 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 B75 Lab Mean	Sample B75 Diff from Grand Mean	Sample B75 CPV	Sample B76 Lab Mean	Sample B76 Diff from Grand Mean	Sample B76 CPV	Instr Code
1FX7E2	X	602.65	519.76	12.47	528.54	437.88	9.39	XX
3W1A5L		25.50	-57.39	-1.38	25.50	-65.16	-1.40	UC
87R91R		96.78	13.89	0.33	106.96	16.30	0.35	IN
8DPJYC		98.16	15.27	0.37	105.98	15.32	0.33	TH
8PHC3N	*	145.16	62.27	1.49	150.17	59.51	1.28	IN
9GF8L9		18.91	-63.98	-1.54	20.82	-69.84	-1.50	IN
AMYKJ4		91.90	9.01	0.22	103.93	13.27	0.28	IM
B83UZJ		92.60	9.71	0.23	101.50	10.84	0.23	XX
D86SRY		118.40	35.51	0.85	140.10	49.44	1.06	IN
D988R5		140.32	57.43	1.38	162.50	71.84	1.54	IN
DJSXUH		11.01	-71.88	-1.72	11.22	-79.44	-1.70	MT
EHS7FM		96.84	13.95	0.33	104.16	13.50	0.29	XX
EK5CA9		121.80	38.91	0.93	129.80	39.14	0.84	IN
H43UTL		7.19	-75.70	-1.82	6.84	-83.82	-1.80	IN
JGDHQQ	M	115.80	32.91	0.79	No data reported for this sample			SH
JL5W2D		122.11	39.22	0.94	134.74	44.08	0.94	IN
KLRPT3		79.07	-3.82	-0.09	83.02	-7.64	-0.16	IN
LDQN7V		21.59	-61.30	-1.47	20.53	-70.13	-1.50	IM
S2TNTS		90.83	7.94	0.19	101.90	11.24	0.24	IN
SXUKPD		89.36	6.47	0.16	101.54	10.88	0.23	TH
V9Z5WE		84.70	1.81	0.04	94.20	3.54	0.08	IN
WM365K		98.84	15.95	0.38	105.89	15.23	0.33	IR
XSLXMW		89.71	6.82	0.16	92.58	1.92	0.04	XX

Summary Statistics

	Sample B75	Sample B76
Grand Means	82.895 Percent	90.661 Percent
Stnd Dev Btwn Labs	41.684 Percent	46.652 Percent

Statistics based on 21 of 23 reporting participants

Sample B75: LDPE & Sample B76: LDPE

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

Comments on assigned Data Flags for Test #772

1FX7E2 (X) - Data for both samples are high.

JGDHQQ (M) - Laboratory did not submit data for SampleB76.

Instrument Code List as Reported by the Labs

(IM) - Instru-Met Instruments

(IN) - Instron

(IR) - Instron with retrofit

(MT) - MTS/Sintech

(SH) - Shimadzu

(TH) - Thwing Albert

(UC) - United

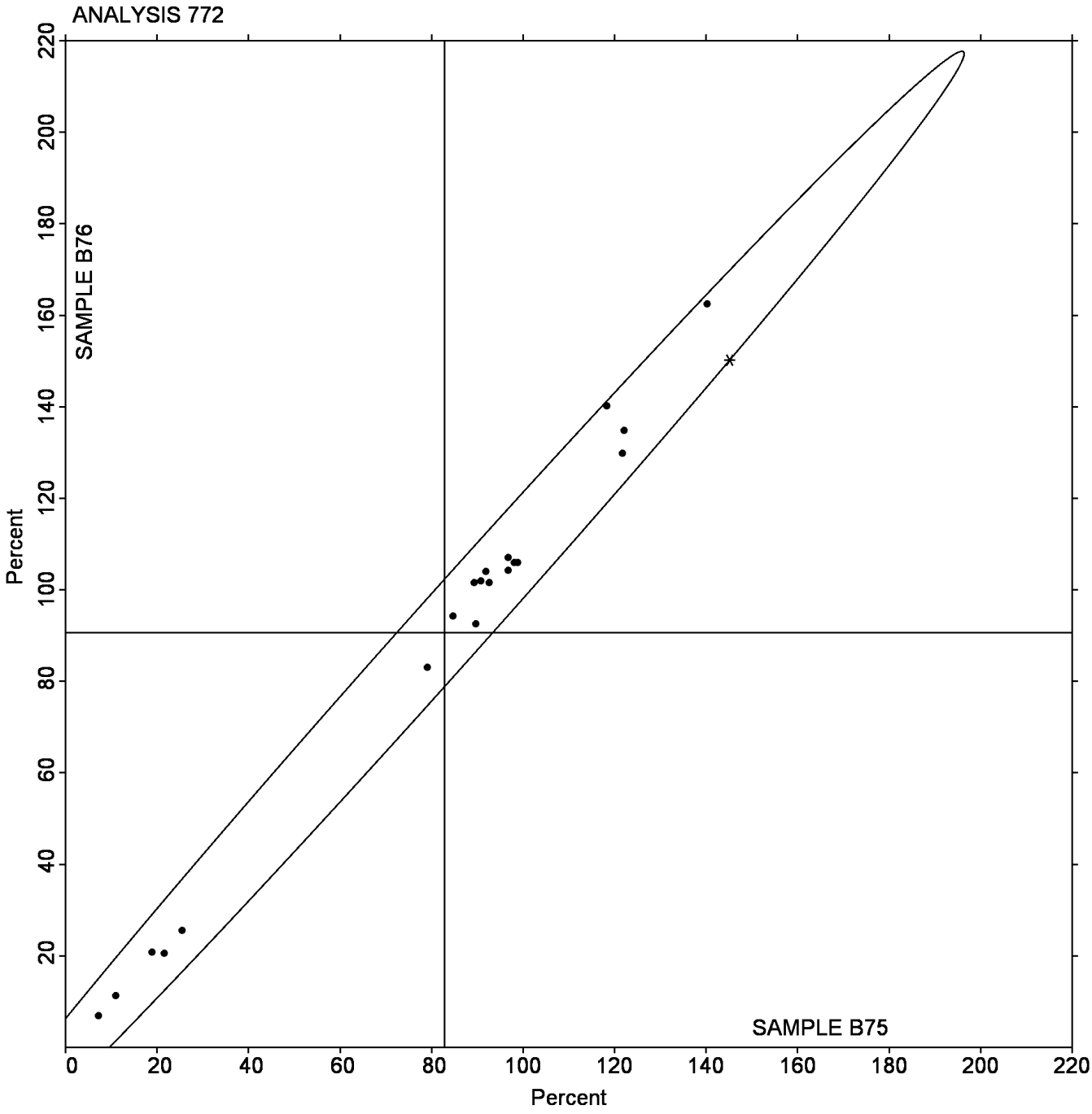
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 772

Percent Elongation at Yield, Films

Grand Mean Sample B75: 82.895 Percent Grand Mean Sample B76: 90.661 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 B75 Lab Mean	Sample B75 Diff from Grand Mean	Sample B75 CPV	Sample B76 Lab Mean	Sample B76 Diff from Grand Mean	Sample B76 CPV	Instr Code
1J3NUK		951.7	213.4	1.13	939.0	215.7	1.15	TH
1T12MZ		918.0	179.7	0.95	980.2	256.9	1.37	IN
2MGQAP		859.3	121.0	0.64	826.9	103.6	0.55	XX
32514Z		589.1	-149.1	-0.79	588.4	-134.9	-0.72	MT
3EURBH		559.0	-179.3	-0.95	463.0	-260.3	-1.39	IN
6UNPDA		704.0	-34.3	-0.18	715.2	-8.1	-0.04	IR
7AAD4A		451.6	-286.7	-1.51	509.1	-214.2	-1.14	HO
83UKJJ		663.2	-75.1	-0.40	636.7	-86.6	-0.46	IN
8GY81N		693.3	-45.0	-0.24	693.5	-29.8	-0.16	XX
9RS1ED		1,056.6	318.3	1.68	971.8	248.5	1.32	XX
AXMR2L		888.3	150.0	0.79	786.4	63.1	0.34	IN
AXQK6V		723.0	-15.3	-0.08	702.8	-20.5	-0.11	XX
CFFWVX		886.0	147.7	0.78	927.1	203.8	1.09	SH
CPFJT4		723.5	-14.8	-0.08	750.7	27.4	0.15	IM
M1HY2R		896.7	158.4	0.84	854.6	131.3	0.70	XX
MJVLCT		768.8	30.5	0.16	771.8	48.5	0.26	IM
P2BU85		654.1	-84.2	-0.44	589.9	-133.3	-0.71	XX
PB3DHX		685.9	-52.4	-0.28	694.8	-28.5	-0.15	IN
R2U8SF		850.8	112.5	0.59	856.5	133.2	0.71	TH
U5LE12		794.0	55.7	0.29	763.2	39.9	0.21	XX
UFRSDF		716.0	-22.3	-0.12	719.0	-4.3	-0.02	IN
V4TZ7A		904.9	166.6	0.88	881.9	158.6	0.85	IN
WM5UUN		830.2	91.9	0.48	833.0	109.7	0.58	IN
WQF4A6		542.1	-196.2	-1.03	525.1	-198.2	-1.06	IN
WWX9PY		1,001.6	263.3	1.39	969.4	246.1	1.31	XX
XHW3JN	*	141.2	-597.1	-3.15	137.2	-586.1	-3.12	IN
XZLE39		622.0	-116.3	-0.61	598.5	-124.8	-0.66	TH
Y64XBN		597.4	-140.9	-0.74	565.7	-157.6	-0.84	IN

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

Summary Statistics

Grand Means		
	738.30 Percent	723.26 Percent
Stnd Dev Btwn Labs		
	189.54 Percent	187.63 Percent

Statistics based on 28 of 28 reporting participants

Sample B75: LDPE & Sample B76: LDPE

Instrument Code List as Reported by the Labs

(HO) - Hounsfield Instruments

(IM) - Instru-Met Instruments

(IN) - Instron

(IR) - Instron with retrofit

(MT) - MTS/Sintech

(SH) - Shimadzu

(TH) - Thwing Albert

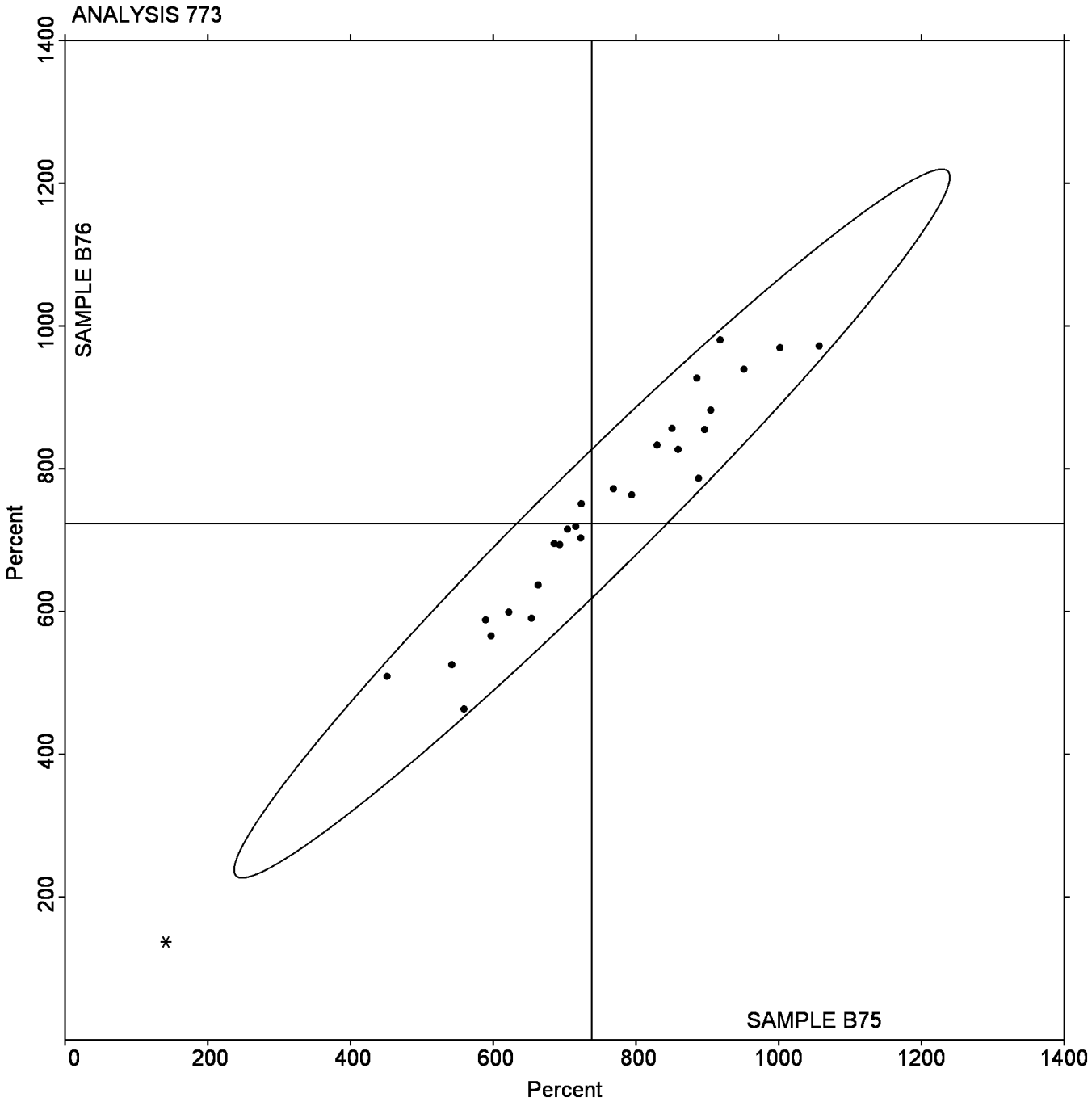
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 773

Percent Elongation at Break, Film Samples

Grand Mean Sample B75: 738.30 Percent Grand Mean Sample B76: 723.26 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 B75 Lab Mean	Sample B75 Diff from Grand Mean	Sample B75 CPV	Sample B76 Lab Mean	Sample B76 Diff from Grand Mean	Sample B76 CPV	Instr Code
1ADSAH		3.7245	-0.1306	-1.36	3.5788	-0.2142	-2.20	XX
1N9QTP		3.9300	0.0749	0.78	3.8800	0.0870	0.89	XX
2DGUWS		4.0400	0.1849	1.92	3.9480	0.1550	1.59	XX
32FX74		3.9100	0.0549	0.57	3.8500	0.0570	0.59	XX
3SJ8Z1		3.9207	0.0656	0.68	3.8111	0.0181	0.19	XX
4NBAN6		3.7100	-0.1451	-1.51	3.7300	-0.0630	-0.65	XX
79DXTZ		3.7640	-0.0911	-0.95	3.7250	-0.0680	-0.70	XX
7Z628P		3.8900	0.0349	0.36	3.8300	0.0370	0.38	XX
85QC22		3.7860	-0.0691	-0.72	3.7190	-0.0740	-0.76	XX
88VGRR		3.9200	0.0649	0.68	3.8500	0.0570	0.59	XX
8LJL18		3.8400	-0.0151	-0.16	3.7750	-0.0180	-0.18	XX
9BXPVG		3.8662	0.0111	0.12	3.8111	0.0181	0.19	XX
9VL61V		3.8400	-0.0151	-0.16	3.7730	-0.0200	-0.21	XX
CD3ZX1		3.8976	0.0425	0.44	3.8150	0.0220	0.23	XX
CVWXGG		3.8110	-0.0441	-0.46	3.7480	-0.0449	-0.46	XX
D5UPFP		3.8060	-0.0491	-0.51	3.6940	-0.0990	-1.02	XX
DUE8R9		4.0000	0.1449	1.51	4.0000	0.2070	2.13	XX
GEWBLQ	X	0.0040	-3.8511	-40.08	0.0038	-3.7892	-38.94	XX
HTXEH2		3.9174	0.0623	0.65	3.8150	0.0221	0.23	XX
HUNK39		3.8360	-0.0191	-0.20	3.7150	-0.0780	-0.80	XX
J2JKR6		3.7700	-0.0851	-0.89	3.6800	-0.1130	-1.16	XX
KAQ67U		4.0100	0.1549	1.61	3.9100	0.1170	1.20	XX
L43FKY		4.0400	0.1849	1.92	3.9700	0.1770	1.82	XX
MGN9UR		3.8580	0.0029	0.03	3.7780	-0.0150	-0.15	XX
MN5ZSR		3.8543	-0.0008	-0.01	3.8937	0.1007	1.04	XX
MZKSPT		3.8130	-0.0421	-0.44	3.8060	0.0130	0.13	XX
NFFDXK		3.7440	-0.1111	-1.16	3.7270	-0.0660	-0.68	XX
QS58HH		3.9370	0.0819	0.85	3.9370	0.1440	1.48	XX
UB5UHR		3.8180	-0.0371	-0.39	3.7920	-0.0010	-0.01	XX
UD6APM		3.8810	0.0259	0.27	3.7210	-0.0720	-0.74	XX
V9HJDK		3.8500	-0.0051	-0.05	3.7200	-0.0730	-0.75	XX
WGKNG2		3.7481	-0.1070	-1.11	3.7324	-0.0606	-0.62	XX

Plastics Interlaboratory Testing Program

Analysis 774

Thickness of Film Tensile Samples - mils

WebCode	Data Flag	Sample B75 Lab Mean	Sample B75 Diff from Grand Mean	Sample B75 CPV	Sample B76 Lab Mean	Sample B76 Diff from Grand Mean	Sample B76 CPV	Instr Code
Y529MJ		3.6300	-0.2251	-2.34	3.6400	-0.1530	-1.57	XX

Summary Statistics

	Sample B75	Sample B76
Grand Means	3.85509 mils	3.79297 mils
Stnd Dev Btwn Labs	0.09608 mils	0.09731 mils

Statistics based on 32 of 33 reporting participants

Sample B75: LDPE & Sample B76: LDPE

Comments on assigned Data Flags for Test #774

GEWBLQ (X) - Extreme data. Lab indicated reporting in mils, but data appear to be in inches.

Instrument Code List as Reported by the Labs

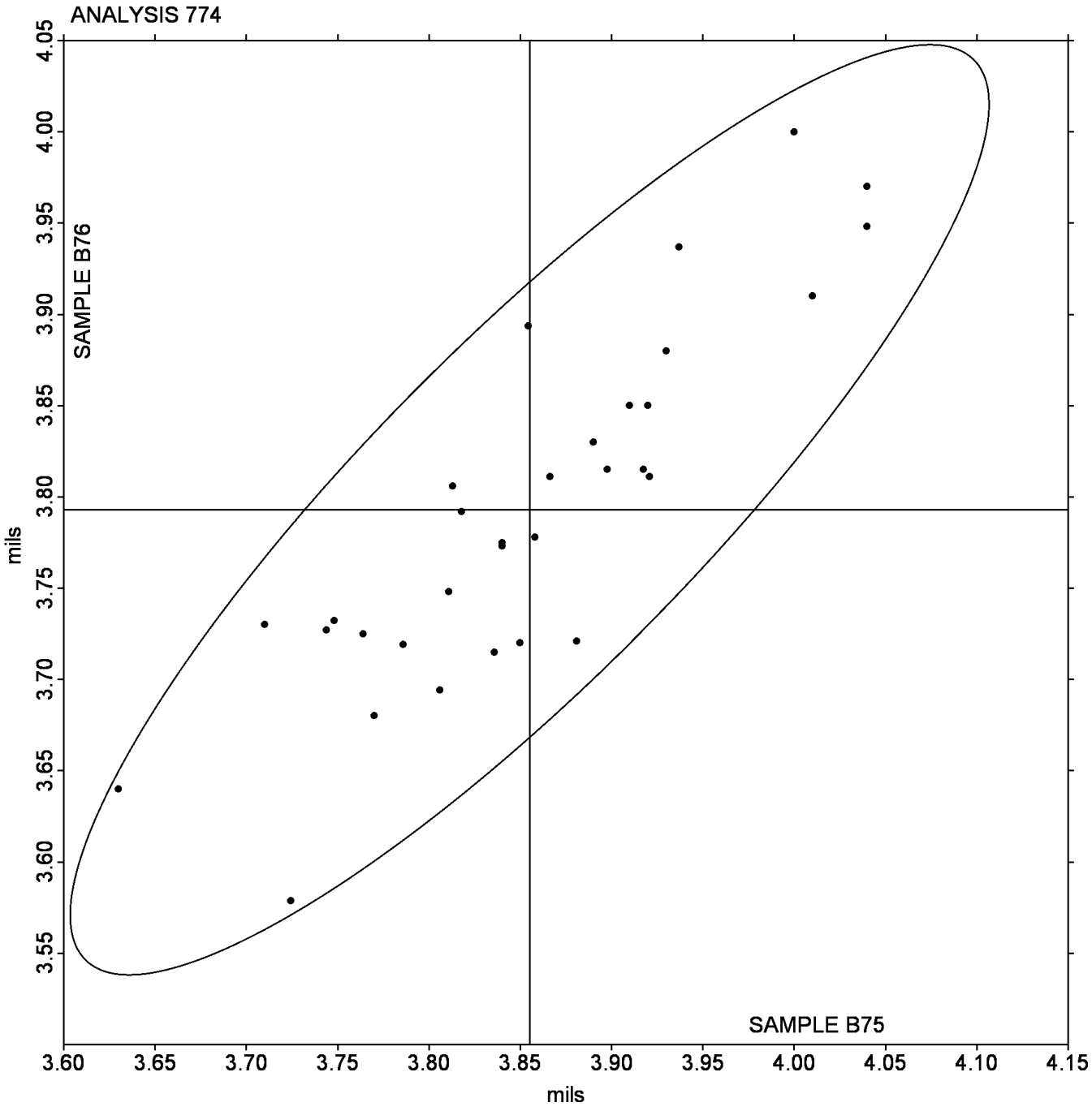
(XX) - Instrument Codes not used by CTS at this time

Plastics Interlaboratory Testing Program

Analysis 774

Thickness of Film Tensile Samples - mils

Grand Mean Sample B75: 3.8551 mils Grand Mean Sample B76: 3.7930 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 775

Secant Modulus at 1% Strain - psi

WebCode	Data Flag	Sample B75 Lab Mean	Sample B75 Diff from Grand Mean	Sample B75 CPV	Sample B76 Lab Mean	Sample B76 Diff from Grand Mean	Sample B76 CPV	Instr Code
1A9H1J		31,568	-467	-0.13	30,586	-970	-0.28	TH
1HKCS1		31,000	-1,034	-0.28	29,460	-2,096	-0.61	IN
1RXRWG		31,943	-92	-0.02	29,351	-2,205	-0.64	IN
7CW5UT		30,795	-1,240	-0.34	29,984	-1,572	-0.46	IN
82DRTR		33,661	1,626	0.44	34,193	2,638	0.77	TH
98A169	*	41,878	9,844	2.66	39,383	7,828	2.27	IN
ABYUZG		34,806	2,772	0.75	34,094	2,538	0.74	IM
DD48HL		26,729	-5,305	-1.43	26,426	-5,129	-1.49	IN
JDFQAE		31,912	-123	-0.03	32,713	1,158	0.34	XX
JHTQ56		33,686	1,652	0.45	34,482	2,926	0.85	IN
NMFQXH		22,925	-9,109	-2.46	23,092	-8,463	-2.46	XX
QUB6QE		33,700	1,665	0.45	33,121	1,565	0.45	MT
QYBUPE		32,956	921	0.25	32,720	1,165	0.34	TH
R8MACT		32,922	888	0.24	32,300	744	0.22	IM
T8E5RE		32,577	543	0.15	32,354	798	0.23	IN
WP35VX		32,446	412	0.11	32,556	1,000	0.29	IN
YK3TJN		33,850	1,816	0.49	33,460	1,904	0.55	IN
Z4T1CH		30,822	-1,212	-0.33	30,477	-1,079	-0.31	IN
ZYU8Q7		28,479	-3,555	-0.96	28,804	-2,752	-0.80	XX

Summary Statistics

	Sample B75	Sample B76
Grand Means	32,034.5 psi	31,555.5 psi
Stnd Dev Btwn Labs	3,698.4 psi	3,444.3 psi

Statistics based on 19 of 19 reporting participants

Sample B75: LDPE & Sample B76: LDPE

Instrument Code List as Reported by the Labs

(IM) - Instru-Met Instruments

(IN) - Instron

(MT) - MTS/Sintech

(TH) - Thwing Albert

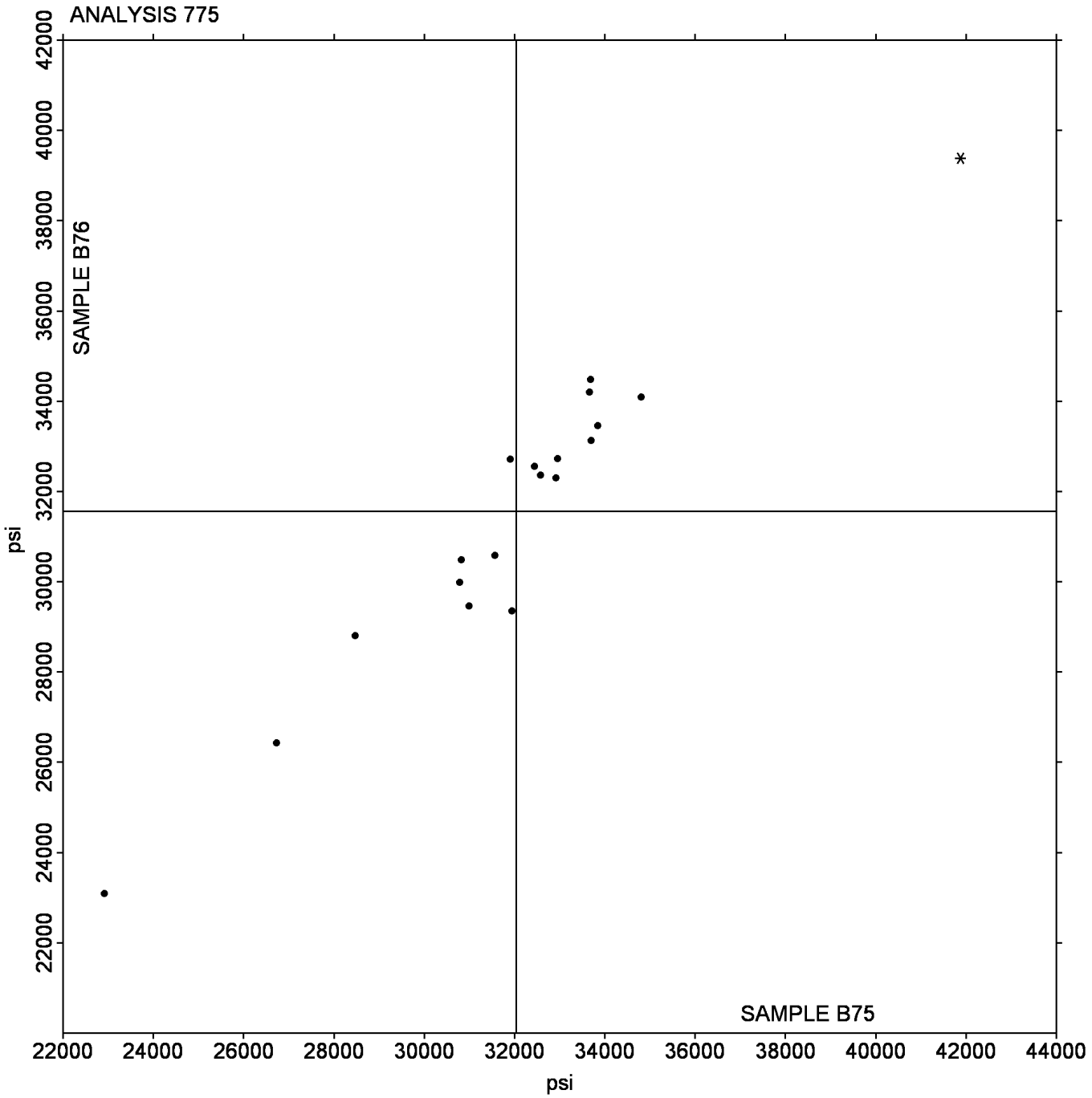
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 775

Secant Modulus at 1% Strain - psi

Grand Mean Sample B75: 32,034.46 psi Grand Mean Sample B76: 31,555.53 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 776

Secant Modulus at 2% Strain - psi

WebCode	Data Flag	Sample B75 Lab Mean	Sample B75 Diff from Grand Mean	Sample B75 CPV	Sample B76 Lab Mean	Sample B76 Diff from Grand Mean	Sample B76 CPV	Instr Code
9ME7H6		29,269	1,484	0.48	28,935	1,735	0.59	IN
ARXKAM		27,608	-177	-0.06	28,336	1,136	0.39	XX
DA1WWY	*	35,394	7,610	2.48	33,291	6,091	2.08	IN
E3SEL5		27,811	26	0.01	26,982	-218	-0.07	IM
E4WTCC		24,369	-3,415	-1.11	23,457	-3,743	-1.28	IN
EEK3AD		29,425	1,641	0.54	28,808	1,608	0.55	IM
GGWWSG		27,337	-448	-0.15	26,902	-298	-0.10	IN
KBWJMV		27,379	-405	-0.13	26,217	-983	-0.34	IN
KUWJYG		28,629	845	0.28	28,975	1,775	0.61	TH
PRENCM		24,836	-2,948	-0.96	24,768	-2,433	-0.83	XX
RXH9QM		27,814	30	0.01	25,824	-1,376	-0.47	TH
UQF944		20,572	-7,212	-2.35	20,153	-7,047	-2.40	MT
VE3ZM5		27,260	-524	-0.17	25,740	-1,460	-0.50	IN
VT4TZZ		28,227	442	0.14	28,173	972	0.33	IN
WQF58C		31,360	3,576	1.17	31,012	3,812	1.30	TH
XE5F6K		27,069	-715	-0.23	27,131	-69	-0.02	IN
Z26V18		27,975	191	0.06	27,697	497	0.17	IN

Summary Statistics

	Sample B75	Sample B76
Grand Means	27,784.4 psi	27,200.0 psi
Stnd Dev Btwn Labs	3,062.8 psi	2,932.4 psi

Statistics based on 17 of 17 reporting participants

Sample B75: LDPE & Sample B76: LDPE

Instrument Code List as Reported by the Labs

(IM) - Instru-Met Instruments

(IN) - Instron

(MT) - MTS/Sintech

(TH) - Thwing Albert

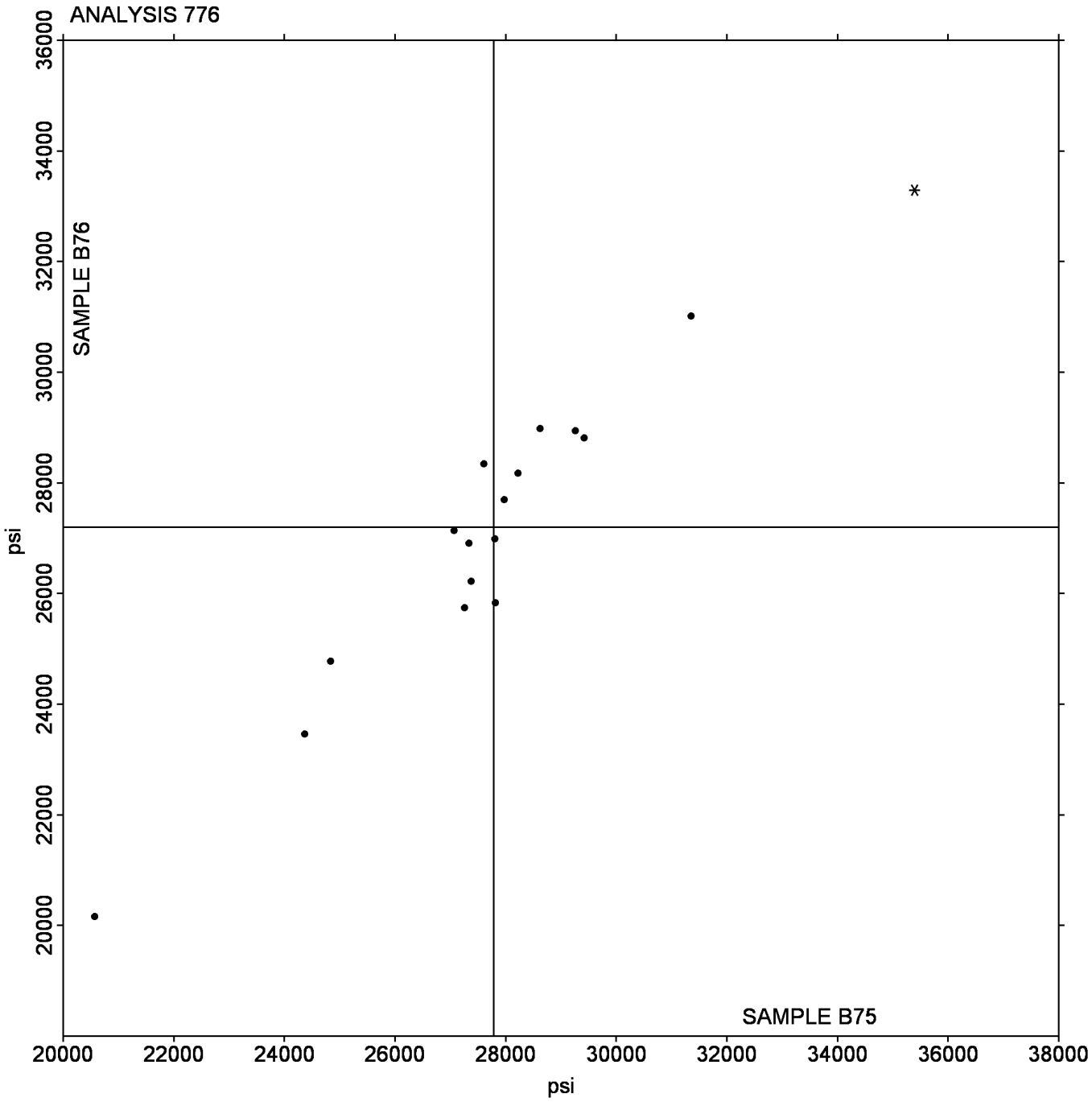
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 776

Secant Modulus at 2% Strain - psi

Grand Mean Sample B75: 27,784.39 psi Grand Mean Sample B76: 27,200.05 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 780

Coefficient of Static Friction

WebCode	Data Flag	Sample P75 Lab Mean	Sample P75 Diff from Grand Mean	Sample P75 CPV	Sample P76 Lab Mean	Sample P76 Diff from Grand Mean	Sample P76 CPV	Instr Code
19FMQG		0.2694	0.0528	1.18	0.2128	0.0264	0.60	TH
1H3L3F		0.1796	-0.0370	-0.82	0.1428	-0.0436	-0.99	TN
4V49WL	X	0.0316	-0.1850	-4.12	0.0340	-0.1524	-3.46	MT
55N56L		0.2000	-0.0166	-0.37	0.1640	-0.0224	-0.51	SA
8293WC		0.1462	-0.0704	-1.57	0.1004	-0.0860	-1.95	IP
9EW4A4		0.2602	0.0436	0.97	0.1784	-0.0080	-0.18	IS
FU5BCF		0.2180	0.0014	0.03	0.2220	0.0356	0.81	MI
GV4L5A		0.2076	-0.0090	-0.20	0.1744	-0.0120	-0.27	TH
K27AX8		0.1780	-0.0386	-0.86	0.1580	-0.0284	-0.65	TL
N3D4QH		0.2960	0.0794	1.77	0.2460	0.0596	1.35	KA
NJH5HD	*	0.1784	-0.0382	-0.85	0.2680	0.0816	1.85	IG
P9EKWH		0.1444	-0.0722	-1.61	0.1218	-0.0646	-1.47	XX
QZS5JS		0.2466	0.0300	0.67	0.1862	-0.0002	0.00	TH
T8RTX8		0.1896	-0.0270	-0.60	0.1684	-0.0180	-0.41	TH
T92K44		0.2780	0.0614	1.37	0.2340	0.0476	1.08	KA
U6VQJC		0.2252	0.0086	0.19	0.2084	0.0220	0.50	TN
UM1DN6		0.2482	0.0316	0.70	0.2110	0.0246	0.56	MI
ZWYVJG		0.2162	-0.0004	-0.01	0.1724	-0.0140	-0.32	IG

Summary Statistics

	Sample P75	Sample P76
Grand Means	0.21656 COF	0.18641 COF
Stnd Dev Btwn Labs	0.04494 COF	0.04404 COF

Statistics based on 17 of 18 reporting participants

Sample P75: LDPE & Sample P76: LDPE

Comments on assigned Data Flags for Test #780

4V49WL (X) - Data for both samples are low.

Plastics Interlaboratory Testing Program
Analysis 780
Coefficient of Static Friction

Instrument Code List as Reported by the Labs

(IG) - Instron

(IP) - Instron 4400 Series

(IS) - Instron Model 5565

(KA) - Kayeness Inc.

(MI) - MTS Insight

(MT) - MTS Q-Test

(SA) - Shimadzu Autograph AG 2000 A

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

(TL) - TMI #32-90

(TN) - TMI #32-06

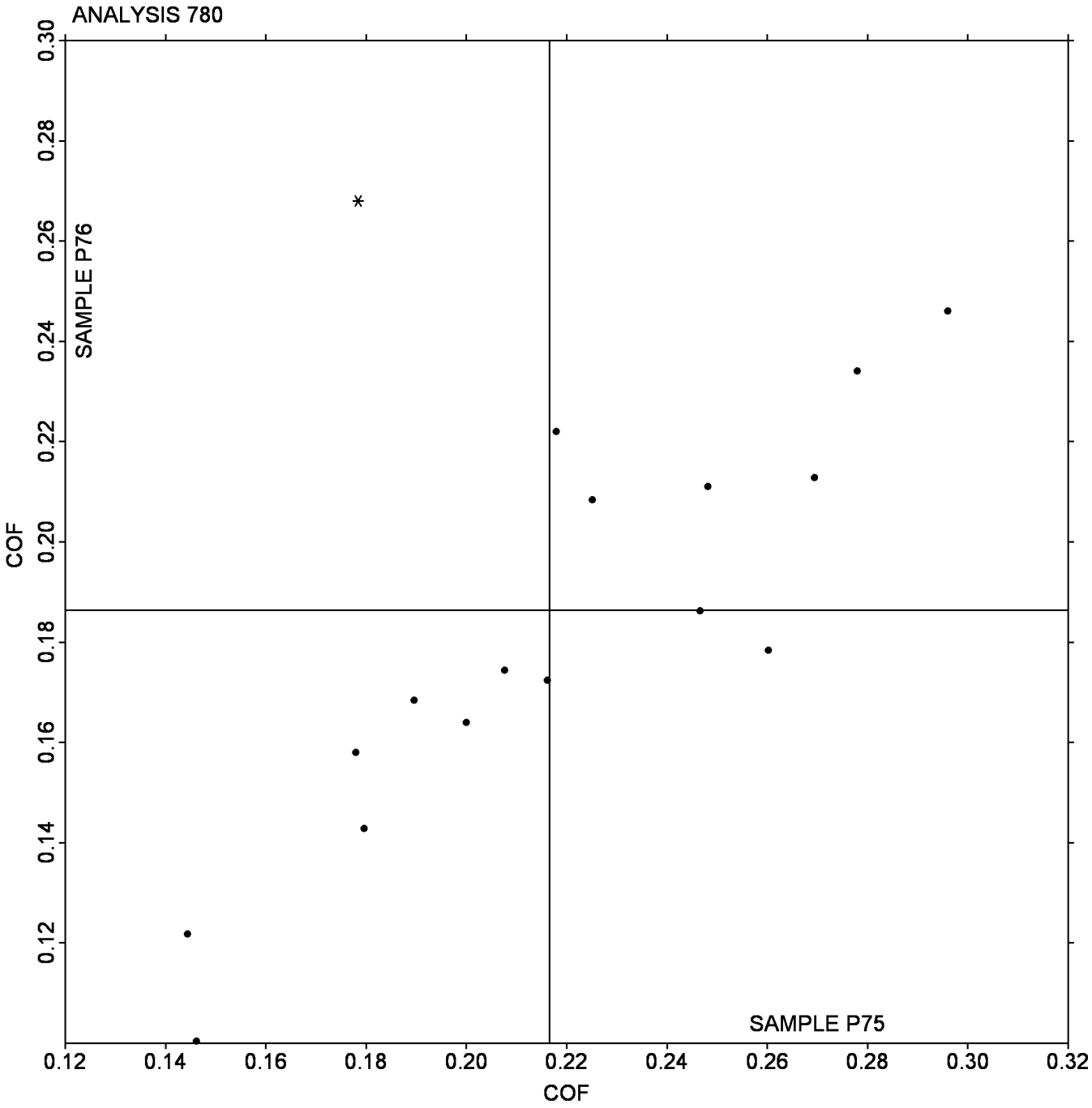
(XX) - Instrument make/model not specified by lab

Plastics Interlaboratory Testing Program

Analysis 780

Coefficient of Static Friction

Grand Mean Sample P75: 0.21656 COF Grand Mean Sample P76: 0.18641 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 P75 Lab Mean	Sample P75 Diff from Grand Mean	Sample P75 CPV	Sample P76 Lab Mean	Sample P76 Diff from Grand Mean	Sample P76 CPV	Instr Code
2WQ6CG		0.1312	-0.0109	-0.44	0.0948	-0.0260	-0.79	TH
3Z4YZN		0.1504	0.0083	0.33	0.1388	0.0180	0.55	MT
4QR3ZW		0.1624	0.0203	0.82	0.1344	0.0136	0.41	MI
69H3QA		0.1398	-0.0023	-0.09	0.1034	-0.0174	-0.53	TH
6BKHQF		0.1034	-0.0387	-1.56	0.0688	-0.0520	-1.58	IP
7U52FT		0.1370	-0.0051	-0.21	0.1104	-0.0104	-0.32	TH
B22BWD		0.1400	-0.0021	-0.09	0.2000	0.0792	2.40	SA
BTWWC5		0.1094	-0.0327	-1.32	0.1024	-0.0184	-0.56	IG
GTX47E		0.1352	-0.0069	-0.28	0.1024	-0.0184	-0.56	TH
KLNUC5		0.1860	0.0439	1.77	0.1520	0.0312	0.95	XX
LGKL5L		0.1456	0.0035	0.14	0.1152	-0.0056	-0.17	TN
NHN1QW		0.1570	0.0149	0.60	0.1122	-0.0086	-0.26	TN
P4ZVVE		0.1252	-0.0169	-0.68	0.1696	0.0488	1.48	IG
P7LHN3		0.1560	0.0139	0.56	0.1300	0.0092	0.28	TL
SS2C65		0.1660	0.0239	0.96	0.1320	0.0112	0.34	MI
Y4U2GJ		0.1762	0.0341	1.38	0.1158	-0.0050	-0.15	IS
ZBRZV1		0.0952	-0.0469	-1.89	0.0714	-0.0494	-1.50	XX

Summary Statistics

Grand Means

Sample P75	Sample P76
0.14212 COF	0.12080 COF

Stnd Dev Btwn Labs

Sample P75	Sample P76
0.02478 COF	0.03296 COF

Statistics based on 17 of 17 reporting participants

Sample P75: LDPE & Sample P76: LDPE

Instrument Code List as Reported by the Labs

(IG) - Instron

(IP) - Instron 4400 Series

(IS) - Instron Model 5565

(MI) - MTS Insight

(MT) - MTS Q-Test

(SA) - Shimadzu Autograph AG 2000 A

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

(TL) - TMI #32-90

(TN) - TMI #32-06

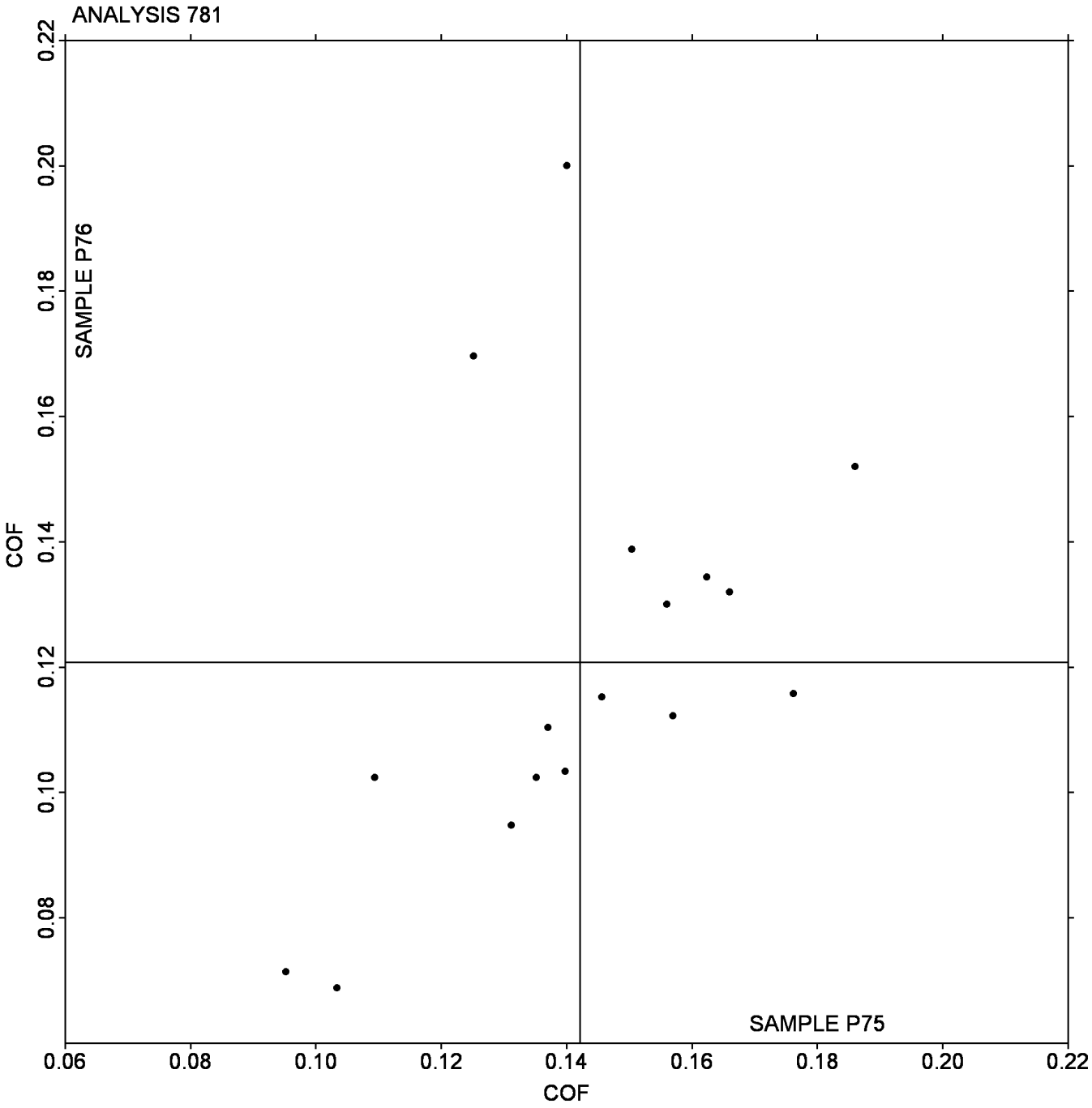
(XX) - Instrument make/model not specified by lab

Plastics Interlaboratory Testing Program

Analysis 781

Coefficient of Kinetic Friction

Grand Mean Sample P75: 0.14212 COF Grand Mean Sample P76: 0.12080 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 Q75 Lab Mean	Sample Q75 Diff from Grand Mean	Sample Q75 CPV	Sample Q76 Lab Mean	Sample Q76 Diff from Grand Mean	Sample Q76 CPV	Instr Code
14AR6G		258.1	14.6	0.25	100.6	-7.4	-0.37	TE
19C1XH		237.2	-6.2	-0.11	102.3	-5.7	-0.28	XX
46S3B4		166.0	-77.4	-1.33	88.0	-20.0	-0.99	CE
47FGTL		259.0	15.6	0.27	94.6	-13.4	-0.66	LO
5B6XBZ		229.6	-13.8	-0.24	114.9	6.9	0.34	TN
7V2FWJ		248.6	5.2	0.09	103.9	-4.1	-0.20	TE
9H7QL4		214.6	-28.8	-0.50	105.8	-2.2	-0.11	TE
9PYWML		248.0	4.6	0.08	100.6	-7.4	-0.36	TM
DGBUN4		275.2	31.8	0.55	115.7	7.7	0.38	TE
MV2NMP		396.7	153.3	2.64	164.3	56.3	2.78	XX
UJWUKR		202.5	-40.9	-0.71	117.4	9.4	0.46	AL
VSQT1A		185.8	-57.7	-0.99	87.9	-20.1	-0.99	TM

Summary Statistics

	Sample Q75	Sample Q76
Grand Means	243.44 grams-force	108.00 grams-force
Stnd Dev Btwn Labs	58.05 grams-force	20.26 grams-force

Statistics based on 12 of 12 reporting participants

Sample Q75: LDPE & Sample Q76: LDPE

Instrument Code List as Reported by the Labs

(AL) - Adamel Lhomargy ED20

(CE) - Ceast (model not specified)

(LO) - Lorentzen & Wettre Model II

(TE) - Thwing-Albert Pro Tear

(TM) - TMI No. 83-1100

(TN) - TMI Tear Tester 83-10

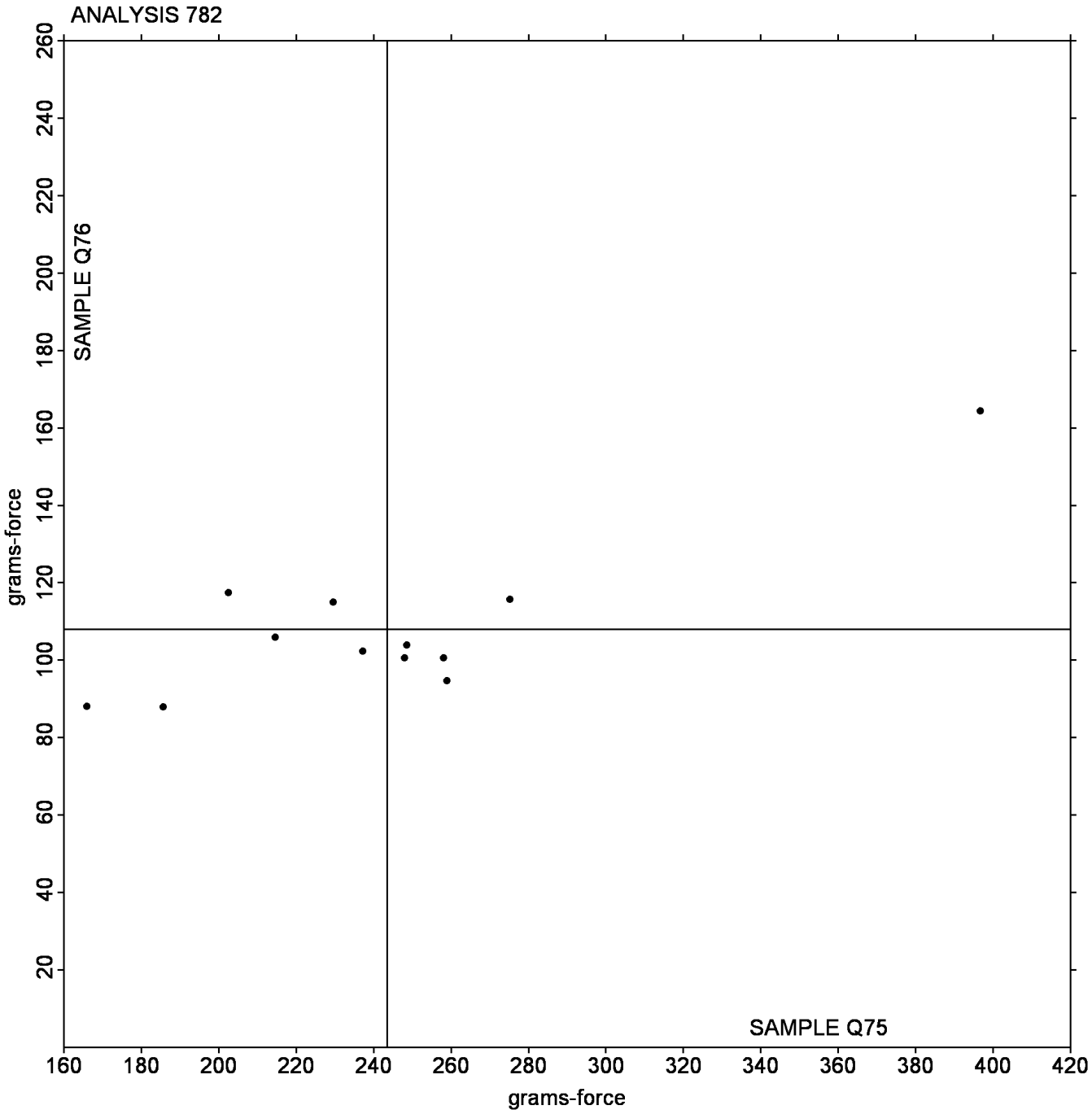
(XX) - Instrument make/model not specified by lab

Plastics Interlaboratory Testing Program

Analysis 782

Tear Resistance of Films

Grand Mean Sample Q75: 243.44 grams-force Grand Mean Sample Q76: 108.00 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 D75 Lab Mean	Sample D75 Diff from Grand Mean	Sample D75 CPV	Sample D76 Lab Mean	Sample D76 Diff from Grand Mean	Sample D76 CPV	Instr Code
1CRP6T		9.008	-0.737	-1.15	12.456	-0.119	-0.17	XR
21K3SU		9.881	0.136	0.21	12.900	0.324	0.46	BJ
5EJYX5	X	7.983	-1.762	-2.74	7.989	-4.587	-6.57	XX
81A1SG		8.759	-0.986	-1.53	11.138	-1.438	-2.06	HL
87JQS8		10.375	0.630	0.98	13.430	0.854	1.22	BT
9CSSQ3		9.911	0.166	0.26	12.838	0.262	0.38	BJ
ARJZZV		8.506	-1.239	-1.93	10.750	-1.826	-2.62	HL
BZ4YHC		9.765	0.020	0.03	12.775	0.199	0.29	BG
DGH4XH		9.541	-0.204	-0.32	12.025	-0.551	-0.79	BJ
DJRX89		10.938	1.193	1.86	12.825	0.249	0.36	BJ
DSBBN7		9.630	-0.115	-0.18	12.725	0.149	0.21	BJ
FNS47Y		10.245	0.500	0.78	12.788	0.212	0.30	BJ
FNUW5J		9.675	-0.070	-0.11	12.825	0.249	0.36	BJ
N4K1Y6		9.725	-0.020	-0.03	13.263	0.687	0.98	BJ
N6KFXK		9.738	-0.007	-0.01	12.663	0.087	0.12	BJ
NQRRQE		8.713	-1.032	-1.61	11.700	-0.876	-1.25	BH
NW3RFS		9.875	0.130	0.20	12.988	0.412	0.59	BJ
QQPR3Z		10.211	0.466	0.73	12.750	0.174	0.25	XX
U12811		9.994	0.249	0.39	12.963	0.387	0.55	BJ
Y1SCQA		10.663	0.918	1.43	13.138	0.562	0.81	BJ

Summary Statistics

	Sample D75	Sample D76
Grand Means	9.7448 Percent	12.5756 Percent
Stnd Dev Btwn Labs	0.6425 Percent	0.6978 Percent

Statistics based on 19 of 20 reporting participants

Sample D75: LDPE & Sample D76: LDPE

Comments on assigned Data Flags for Test #785

5EJYX5 (X) - Data for both samples are low.

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 Series

(HL) - Hunterlab Ultrascan XE

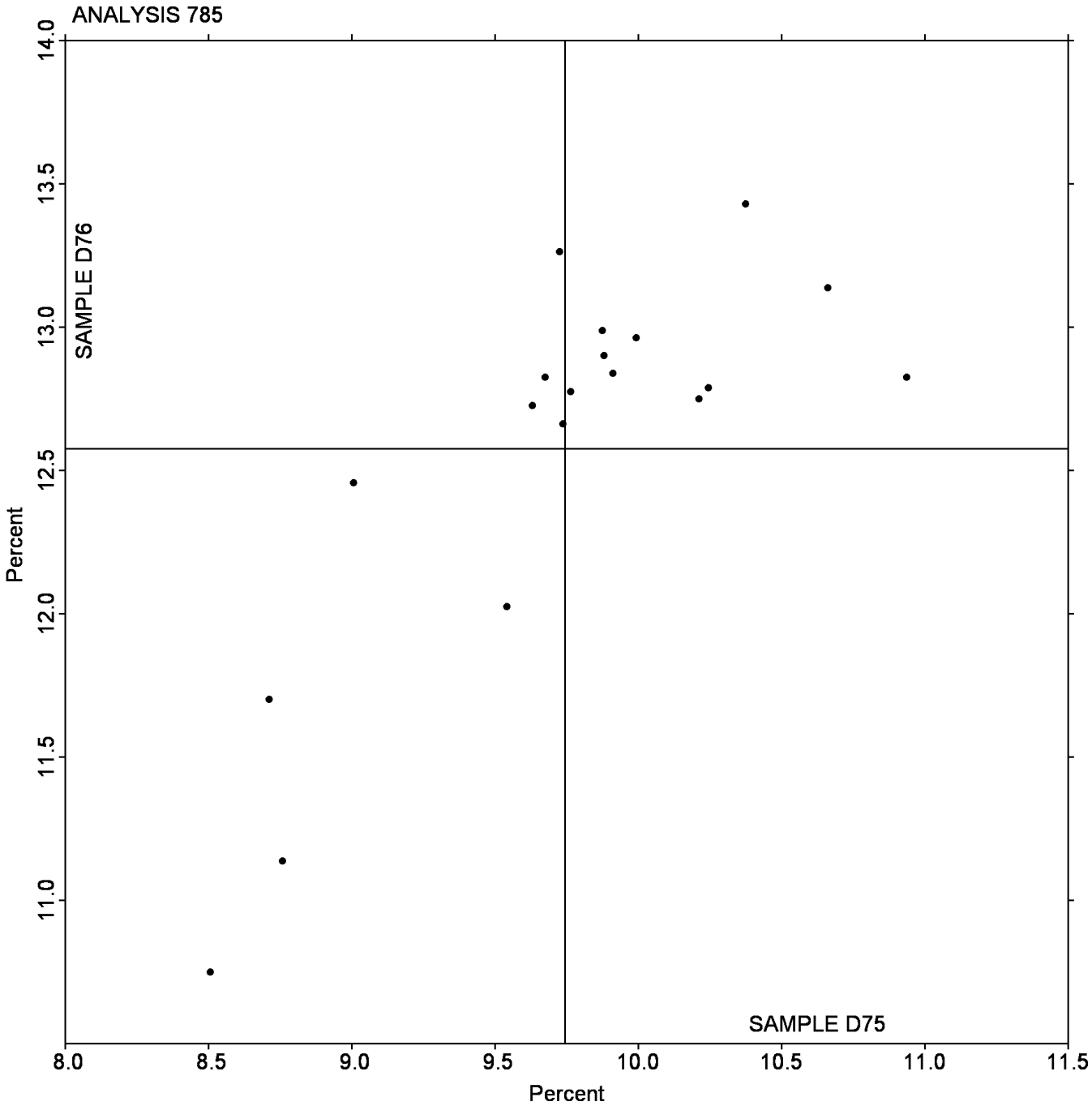
(XR) - X-Rite Spectrocolorimeter (any model)

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

Plastics Interlaboratory Testing Program

Analysis 785
Percent Haze of Film

Grand Mean Sample D75: 9.7448 Percent Grand Mean Sample D76: 12.576 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 D75 Lab Mean	Sample D75 Diff from Grand Mean	Sample D75 CPV	Sample D76 Lab Mean	Sample D76 Diff from Grand Mean	Sample D76 CPV	Instr Code
2U4DCK		90.86	-1.69	-1.69	91.01	-1.87	-1.79	HL
47M5B6		93.60	1.04	1.04	93.70	0.81	0.78	BJ
4RNWXJ		92.21	-0.34	-0.34	93.01	0.12	0.12	BT
9NXBBR		92.00	-0.56	-0.55	92.10	-0.79	-0.75	BJ
AHJSN5		93.28	0.72	0.72	93.93	1.04	0.99	BJ
AZQZ2K		93.59	1.03	1.03	93.54	0.65	0.62	BJ
BY4Y57		93.53	0.97	0.97	93.76	0.87	0.84	BJ
BYTWWD		91.73	-0.83	-0.83	92.10	-0.79	-0.75	BG
BYUQUL		94.06	1.51	1.50	94.33	1.44	1.37	BJ
HND6J6		93.05	0.49	0.49	93.15	0.26	0.25	BJ
KKNKY8		93.80	1.24	1.24	94.05	1.16	1.11	BJ
LCB3EK		92.14	-0.42	-0.42	92.29	-0.60	-0.57	BJ
MJJAV7		91.39	-1.16	-1.16	91.48	-1.41	-1.35	XR
S4AYJG	*	92.11	-0.44	-0.44	93.63	0.74	0.70	BH
UUAYDV		93.11	0.56	0.56	93.40	0.51	0.49	XX
VAEW6J		92.75	0.19	0.19	93.09	0.20	0.19	BJ
WWE733		90.82	-1.74	-1.74	90.85	-2.04	-1.95	HL
Z965FD		91.99	-0.57	-0.57	92.58	-0.31	-0.30	XX

Summary Statistics

	Sample D75	Sample D76
Grand Means	92.556 Percent	92.888 Percent
Stnd Dev Btwn Labs	1.002 Percent	1.047 Percent

Statistics based on 18 of 18 reporting participants

Sample D75: LDPE & Sample D76: 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

(HL) - Hunterlab Ultrascan XE

(XR) - X-Rite Spectrocolorimeter (any model)

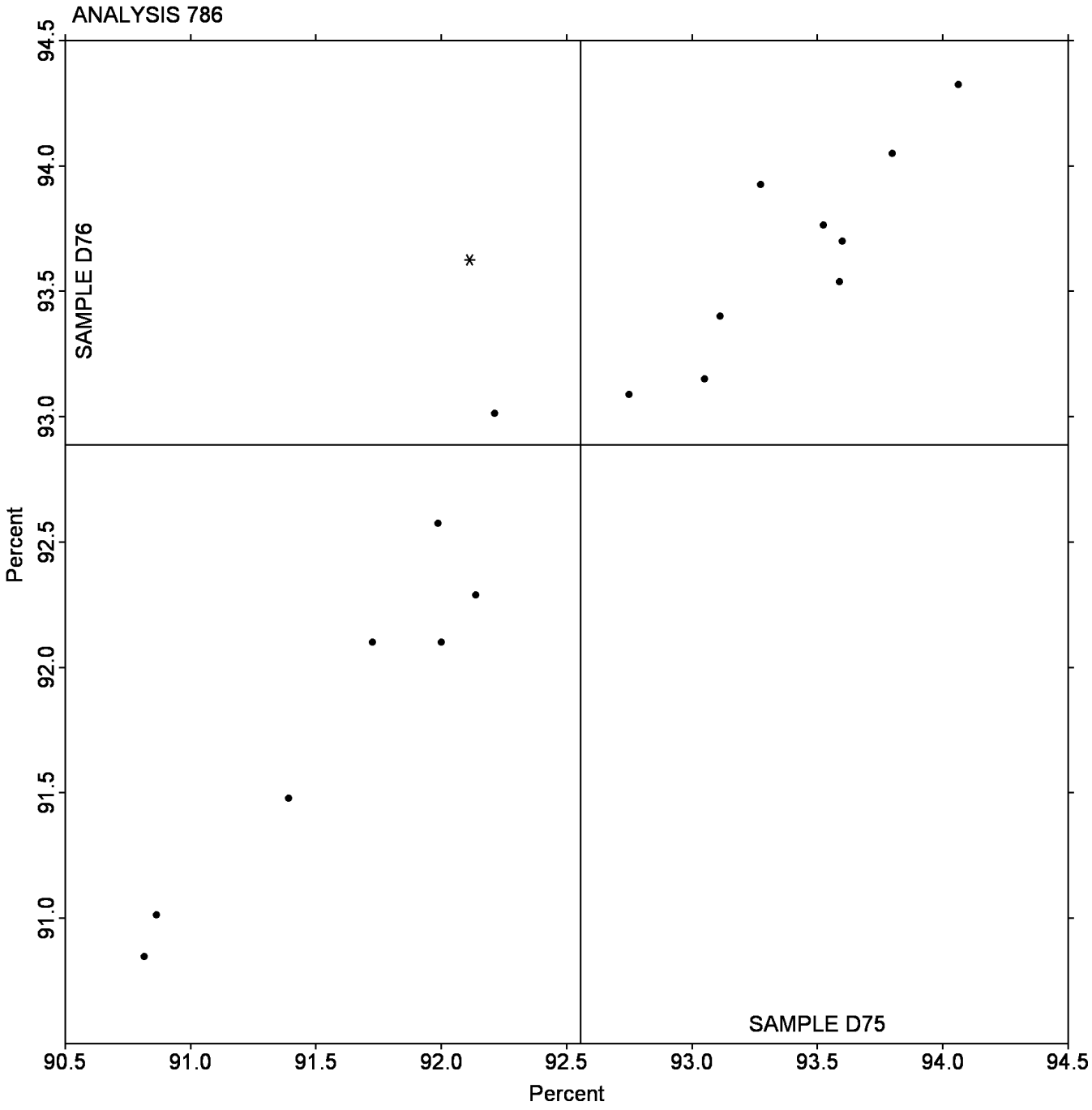
(XX) - Instrument make/model not specified by lab

Plastics Interlaboratory Testing Program

Analysis 786

Total Luminous transmittance of film

Grand Mean Sample D75: 92.556 Percent Grand Mean Sample D76: 92.888 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 755

Moisture Content of Plastics

WebCode	Data Flag	Sample Y75 Lab Mean	Sample Y75 Diff from Grand Mean	Sample Y75 CPV	Sample Y76 Lab Mean	Sample Y76 Diff from Grand Mean	Sample Y76 CPV	Instr Code
15SUZZ		0.15500	-0.00908	-0.49	0.17767	-0.00852	-0.32	MR
2FNVQ3		0.15400	-0.01008	-0.54	0.16700	-0.01919	-0.73	MB
2JPAFK		0.16667	0.00259	0.14	0.15000	-0.03619	-1.38	XX
3SFY1J		0.18333	0.01925	1.03	0.20333	0.01714	0.65	MR
4B5S6Y	X	0.06433	-0.09975	-5.33	0.08433	-0.10186	-3.88	XX
4CT93Z		0.16333	-0.00075	-0.04	0.15667	-0.02952	-1.13	XX
5JUY6Q		0.16500	0.00092	0.05	0.19067	0.00448	0.17	XX
5VXKXU		0.19070	0.02662	1.42	0.22433	0.03814	1.45	XX
62FLUX		0.17440	0.01032	0.55	0.20263	0.01644	0.63	XX
8MWKH7	X	0.67357	0.50949	27.22	0.45733	0.27114	10.33	AQ
8XGBXP	X	0.22090	0.05682	3.04	0.20063	0.01444	0.55	MD
8ZQYLL		0.16967	0.00559	0.30	0.20400	0.01781	0.68	MK
99EG45		0.15674	-0.00734	-0.39	0.17464	-0.01155	-0.44	MS
AR2LDR		0.16200	-0.00208	-0.11	0.19733	0.01114	0.42	MK
BBNRL2		0.16333	-0.00075	-0.04	0.19367	0.00748	0.28	MJ
BMMVG5		0.12700	-0.03708	-1.98	0.12300	-0.06319	-2.41	XX
CV3548		0.17000	0.00592	0.32	0.21000	0.02381	0.91	MU
E45MKX		0.17633	0.01225	0.65	0.20667	0.02048	0.78	XX
EVFATY		0.17880	0.01472	0.79	0.20753	0.02134	0.81	XX
F5YLM3		0.15933	-0.00475	-0.25	0.17533	-0.01086	-0.41	XX
G4E6NS		0.13400	-0.03008	-1.61	0.17800	-0.00819	-0.31	MQ
G5QAT3		0.20000	0.03592	1.92	0.22333	0.03714	1.42	MU
G8YTA7		0.17303	0.00895	0.48	0.20207	0.01588	0.61	XX
GEG3HG	X	0.30133	0.13725	7.33	0.27833	0.09214	3.51	XX
H3PQ8C	*	0.10667	-0.05741	-3.07	0.13867	-0.04752	-1.81	XX
LJXQ59		0.17400	0.00992	0.53	0.20367	0.01748	0.67	ML
LL4J24		0.17073	0.00665	0.36	0.20400	0.01781	0.68	MR
P3C9R3		0.16300	-0.00108	-0.06	0.19433	0.00814	0.31	ML
Q6XPYK		0.16400	-0.00008	0.00	0.18967	0.00348	0.13	AZ
QNS14B		0.17410	0.01002	0.54	0.19805	0.01186	0.45	XX
RA79HN		0.16450	0.00042	0.02	0.16800	-0.01819	-0.69	BA
RGBQVV		0.12807	-0.03601	-1.92	0.14637	-0.03982	-1.52	AZ

Plastics Interlaboratory Testing Program

Analysis 755

Moisture Content of Plastics

WebCode	Data Flag	Sample Y75 Lab Mean	Sample Y75 Diff from Grand Mean	Sample Y75 CPV	Sample Y76 Lab Mean	Sample Y76 Diff from Grand Mean	Sample Y76 CPV	Instr Code
UF5J15		0.16833	0.00425	0.23	0.20167	0.01548	0.59	MK
VREKSJ	X	0.08800	-0.07608	-4.07	0.04900	-0.13719	-5.23	XX
WTMEH8		0.18500	0.02092	1.12	0.20800	0.02181	0.83	ML
X4JUWQ	X	0.01400	-0.15008	-8.02	0.03233	-0.15386	-5.86	XX
XGQ91Z	*	0.16150	-0.00258	-0.14	0.13377	-0.05242	-2.00	MD
ZQBMZ5		0.16800	0.00392	0.21	0.20400	0.01781	0.68	MK

Summary Statistics

	Sample Y75		Sample Y76	
Grand Means	0.164080	Percent	0.186189	Percent
Stnd Dev Btwn Labs	0.018715	Percent	0.026238	Percent

Statistics based on 32 of 38 reporting participants

Sample Y75: ABS & Sample Y76: ABS

Comments on assigned Data Flags for Test #755

4B5S6Y (X) - Data for both samples are low.

8MWKH7 (X) - High data for both samples.

8XGBXP (X) - High data for Sample Y75.

GEG3HG (X) - Data for both samples are high.

VREKSJ (X) - Low data for both samples.

X4JUWQ (X) - Data for both samples are low.

Instrument Code List as Reported by the Labs

(AQ) - Aquastar

(AZ) - Arizona Instruments Moisture Analyzer

(BA) - Brabender Aquatrac

(MB) - Omnimark Mark 3

(MD) - Mettler Toledo DL37

(MJ) - Mitsubishi KF Analyzer Series

(MK) - Mitsubishi KF Analyzer CA 100

(ML) - Metrohm Coulometer

(MQ) - Metrohm Coulometer 737 KF

(MR) - Metrohm Coulineter 756 KF

(MS) - Metrohm Coulometer 831 KF

(MU) - Mettler

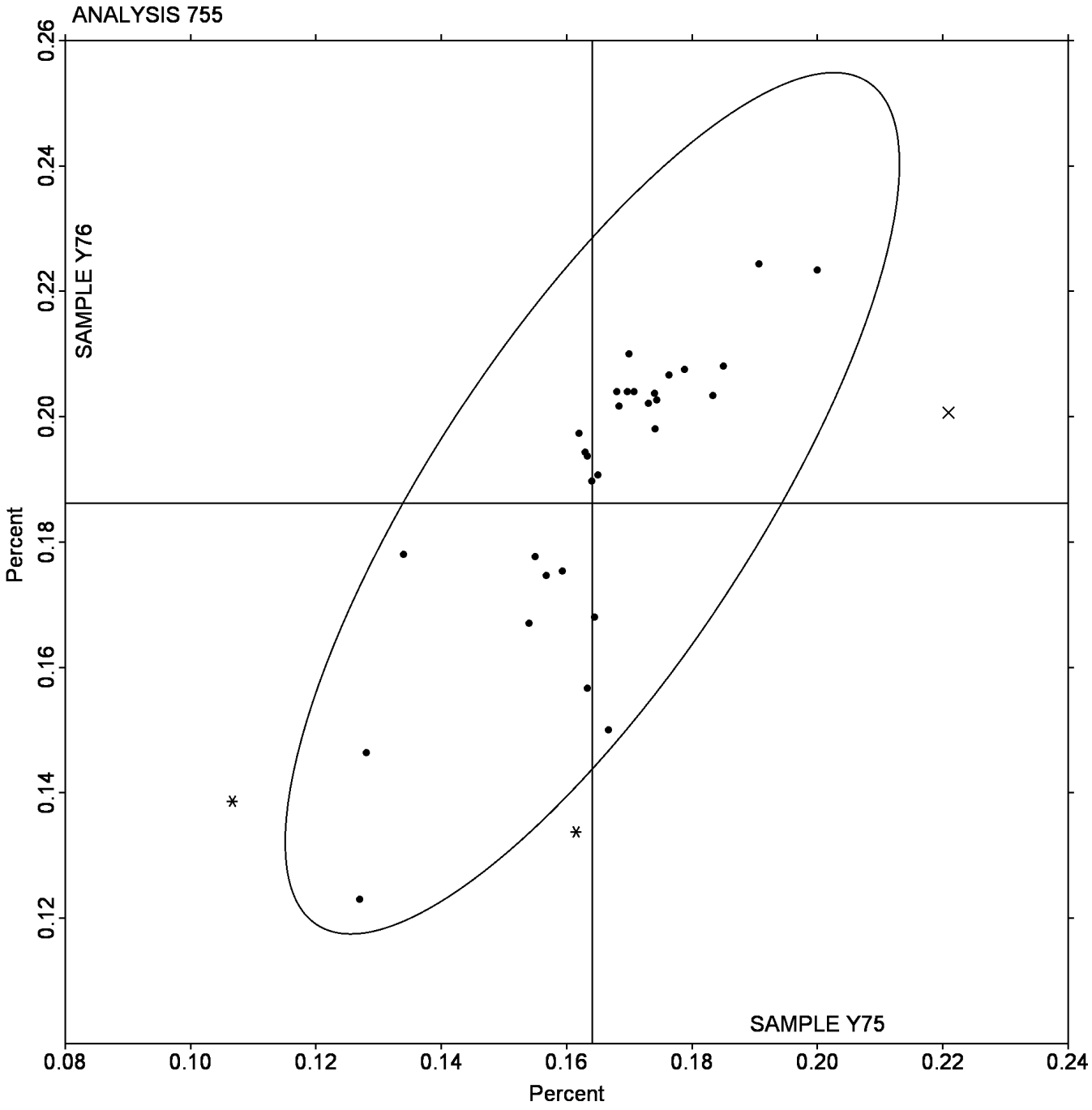
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 755

Moisture Content of Plastics

Grand Mean Sample Y75: 0.16408 Percent Grand Mean Sample Y76: 0.18619 Percent



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