

Guide to Interpreting Individual Reports in the Containerboard Program (page 1 of 2)

The Performance Analysis Report, illustrated on the right in Figure 1, is designed to be the primary tool for evaluating your results for each test. The chart shows the CPV's of your weekly Week Means. The CPV is a ratio indicating how well your laboratory's mean agrees with the other participants.

If your laboratory did not submit data for one or more weeks, there will be a gap between bars and the CPV will be printed as 0.00. For each material weight the report will show data submitted during the last six months.

The data table lists the data shown in the chart as well as supporting information such as the testing month and sample lot.

Analysis 215 Performance Analysis Report Lab Code: #### Data in units of: pounds

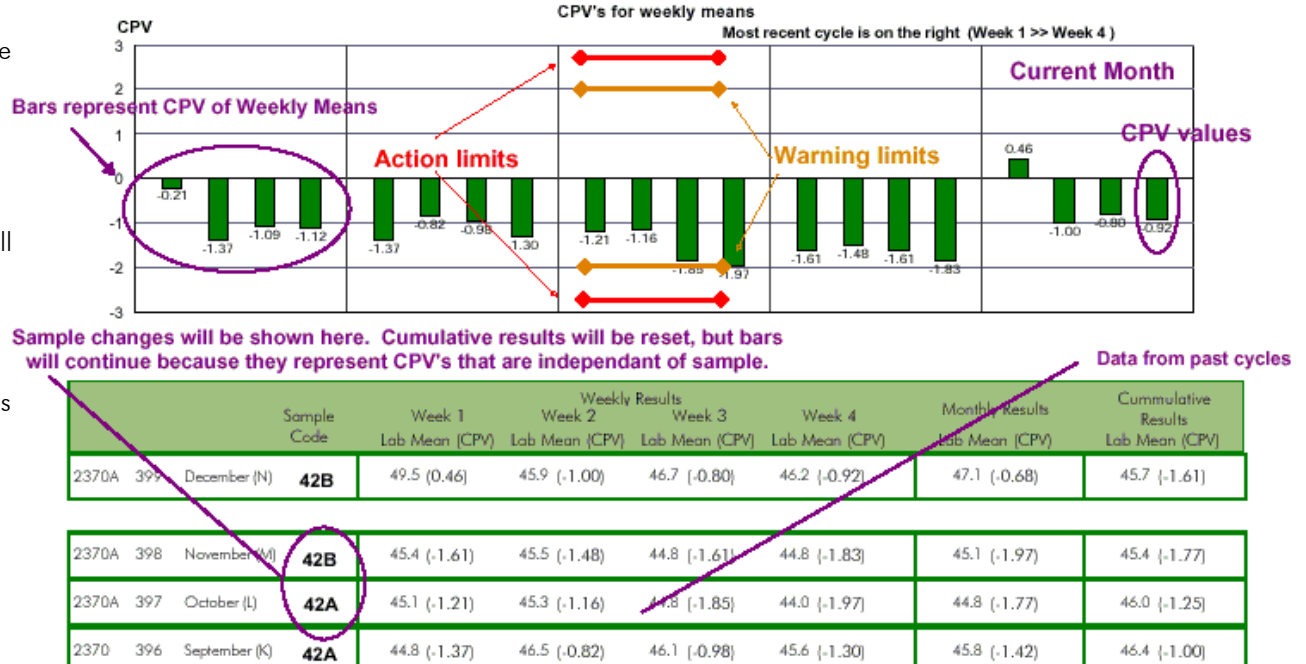
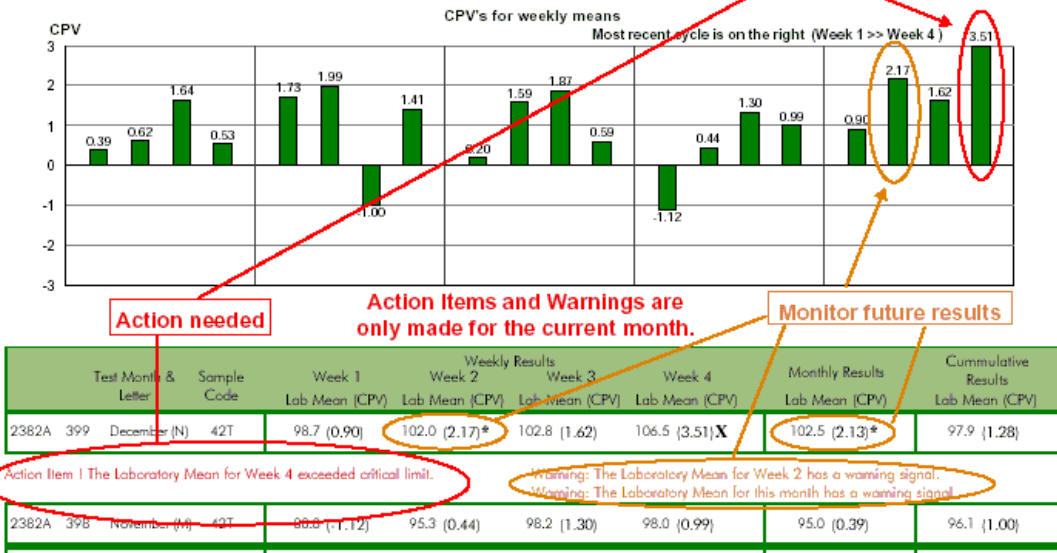


Figure 1

Figure 2

Analysis 215 Performance Analysis Report for Ring Crush Lab Code: ##### Data in units of: pounds



If your results exceed warning limits defined by a CPV that falls outside the range of -2.00 to +2.00, a warning statement will be posted in the data table. When consulting the chart the data that triggered the warning will be shown as a bar that extends past the +2.00 or -2.00 line and the data will also be flagged with an (*) in the data table. CTS advises you to closely monitor tests that trigger a warning signal.

If your results exceed the critical limits defined by a CPV that falls outside the 99% critical limit, an Action Item will be posted in the data table. The chart will show the data that triggered the Action Item as a bar that extends past the critical limits and the data will also be flagged with an (X) in the data table. The Action Item should serve notice of a problem that requires immediate attention.

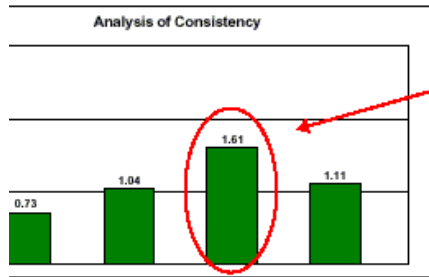
Guide to Interpreting Individual Reports in the Containerboard Program

Analysis #255
Ring Crush (RCT), 26 lb Corrugating Medium- CM5
 using TAPPI Official Test Method T822

Web Code: 1234
 Data in units of: pou

Weekly Means				Monthly Results				Cumulative Results (16 weeks max)				
Week 1	Week 2	Week 3	Week 4	Mean	CPV	SDr	SD Wk	Mean	CPV	SDr	SD Wk	WI
38.5	43.5	40.1H	42.4	41.3	0.94	4.1	2.2	39.6	0.15	3.9	2.4	16
39.55	40.00	40.11	39.46	Month Mean	39.76	Grand Mean	39.47					
3.52	3.60	3.50	3.46	Avg SDr	3.55	Avg SDr	3.43					
2.52	2.93	2.67	2.23	SD btwn Labs	1.63	SD btwn Labs	1.15					
28	27	27	27	SD btwn Wks	1.52	SD btwn Wks	1.73					
2	1	2	2	Labs Incd	26	Labs Incd	26					
0	2	1	1									

In for Week 3 is inconsistent compared to other laboratories.



This statement indicates that your variation within one or more weekly means, that is the variability of your 10 replicates or SDr, was too high.

If your within-week variation was high compared to other laboratories (see above), a warning statement will be posted in red below the data table. A chart will be printed showing the data that triggered the warning as a bar that extends past the critical limit and the data will also be flagged by (H) in the data table. Low within-week variation will also cause data to be flagged (L) and a chart will be shown, however there will be no warning statement.

If your week-to-week variation, that is the variability between your weekly means (see right), was high compared to other laboratories, a warning statement will be posted in red below the data table. A chart will be printed showing a bar that extends past the critical limit and the data will also be flagged by (H) in the data table. Low week-to-week variation will also cause data to be flagged (L) and a chart will be shown, however there will be no warning statement.

The Current Month Analysis Report on the reverse of the Performance Analysis Report shows your laboratory's data for that month and the consensus data that you are compared against. The boxed data table on the Current Month Analysis Report is the data that was previously supplied in the printed CRP report and is now published on our website as the Participant Summary Report.

It is important to note that the time span for the cumulative data is based on either 16 or 12 weeks and may not be the same as the time span covered by the bar chart of the Performance Analysis Report.

The Current Month Analysis shows the analysis for 2 aspects of laboratory performance. The variation within each weekly mean (SDr - consistency) is shown on the lower left section of the page; the variation between the weekly means (SD Wks - constancy) is shown on the lower right section of the page. If neither the consistency nor the constancy of your laboratory's results were a problem, these sections will show a simple statement of agreement with the other laboratories.

Analysis #215
Ring Crush, 42 lb Linerboard- 42T
 using TAPPI Official Test Method T822

Web Code: 1234
 Data in units of: pou

Weekly Means				Monthly Results				Cumulative Results (16 weeks max)				
Week 1	Week 2	Week 3	Week 4	Mean	CPV	SDr	SD Wk	Mean	CPV	SDr	SD Wk	WI
missing	93.7	87.1	105.3H	95.4	0.38	4.1	9.2H	96.3	0.85	5.4	4.7	12
94.29	93.27	94.01	93.44	Month Mean	93.81	Grand Mean	93.10					
4.20	4.08	4.07	3.97	Avg SDr	4.09	Avg SDr	4.16					
4.88	4.02	5.42	3.73	SD btwn Labs	4.08	SD btwn Labs	3.73					
70	66	67	64	SD btwn Wks	2.81	SD btwn Wks	4.34					
1	2	1	5	Labs Incd	70	Labs Incd	70					
1	4	4	3									

Warning: The week-to-week variation of your means was high for this month

This statement indicates that your week-to-week variation between means (SD Wks) was too high.

