

PRECISION TESTING LABORATORIES

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Laboratory Report No. 74890
 19-Sep-06

Mr. Mike Cole
 Royal Carolina Corp.
 7305 Old Friendly Road
 Greensboro, NC 27410

Item: One (1) sample identified as:
 1) Yellow

Purpose: Flammability, NFPA 701-2004, Test I

Test	Specimen Results									
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Flammability, NFPA-701-2004

Test I

<u>% Weight Loss</u>	20.8	28.3	28.4	23.1	23.5	20.0	21.4	28.4	10.8	34.8
<u>Residue Burn (seconds)</u>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<u>Standard Deviation</u>	6.52									
<u>3 Standard Deviations</u>	19.56									
<u>Retest Required</u>	No									

Retest Requirement

9.1.4 When the percent mass loss of any individual specimen exceeds the mean value plus 3 standard deviations, the test shall be repeated on another sample of 10 specimens.

Flame Propagation Performance Requirement

- 10.1.1.1** Fragments or residues of specimens that fall to the floor of the test chamber shall not continue to burn for more than an average of 2 seconds per specimen for the sample of 10 specimens.
- 10.1.1.2** The average weight loss of the 10 specimens in a sample shall be 40 percent or less.
- 10.1.1.3** No individual specimen's percent mass loss shall deviate more than 3 standard deviations from the mean for the 10 specimens.
- 10.1.1.4** When a retest is required, no individual specimen's percent mass loss in the second set of specimens shall deviate from the mean value by more than 3 standard deviations calculated for the second set.

Sample conforms with NFPA 701, Test I requirements.

sg

Average

24.0

0.0