

PRECISION TESTING LABORATORIES

313 Hill Avenue; Nashville, TN 37210-4711
 Phone 615-254-3401 Fax 615-254-3488
 www.precisiontesting.com

Laboratory Report No. 74889
 19-Sep-06

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

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

Purpose: Flammability, NFPA 701-2004, Test I

Test	Specimen Results									
------	------------------	--	--	--	--	--	--	--	--	--

Flammability, NFPA-701-2004

Test I

<u>% Weight Loss</u>	29.6	28.9	36.3	27.3	24.5	13.7	32.4	28.4	26.7	28.0
<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>	5.85									
<u>3 Standard Deviations</u>	17.56									
<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

27.6

0.0