



TESTING SERVICES, INC.
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TEST REPORT

CLIENT:	LTR Products, LLC	REPORT NUMBER:	44968-02
	625 Liberty Street	LAB TEST NUMBER:	1849-0532
	Pittsburgh, PA 15222	DATE:	March 23, 2010

TEST MATERIAL:

Mulch Identification
Vigoro

SUBJECT: Testing Services Inc. was instructed by the client to expose submitted sample(s) to UV exposure.

SCOPE OF TEST: This test procedure determines changes in physical degradation of test material when exposed to alternating UV light and condensation (accelerated weathering).

TEST PROCEDURE: *ASTM G154-06: Standard Practice for Operating Fluorescent Light Apparatus for UV Exposure of Non-Metallic Material*

Meter Reading In: 12,889
Meter Reading Out: 28,525
Exposure Duration: **15,636 Hours (Approximate 20 Yr. Exposure)**
Exposure Type: Accelerated Weathering
Test Equipment: QUV/se
 UVA-340 lamps, 0.77 W/m²
 16 hours UV light @ 60°C
 8 hours condensation @ 50°C

RATING SCALE:

Rating	Quality	Change
10	Excellent	No Effect
9	Excellent	Very Slight
8	Very Good	Slight
6	Good	Moderate
4	Fair	Pronounced
2	Poor	Severe
0	Very Poor	Very Severe

TEST RESULTS:

General Appearance	Visual Rating	Visual Comment	Physical Appearance	Physical Comment
6	6	Moderate Lightening of Dark Red Color	6	Moderate Loss of Elasticity

OTHER NOTES:

There **was no evidence** of blistering, chalking, checking, corrosion, cracking, erosion, mildew growth, or surface rust. There **was evidence** that the mulch lost its glossy shine with a moderate change to lighter red from dark red in color. Additionally, the mulch appears to have lost some of its elasticity, becoming smaller in size and harsher to the feel.

Approved By:

Erle Miles Jr VP

Testing Services Inc

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