



TEST REPORT

In Account With ORING ONE Via Lago di Garda 3 Chiuduno, Italy 24060 Attn: Matteo Chiodini	Date March 24, 2014	Page 1 of 2 Pages
	W.O. Number 50727	Specification ASTM E 595
	P.O. No. Wire Transfer	Received 03-07-14

IDENTIFICATION : Six (6) sample materials were submitted for Outgas Testing in accordance with ASTM E 595. The test samples were identified as follows:

- 1) Sample 1
- 2) Sample 2
- 3) Sample 3
- 4) Sample 4
- 5) Sample 5
- 6) Sample 6

SPECIFICATION : ASTM E 595.

REFERENCE : Purchase Order: Wire Transfer.

TESTING : Outgas Testing.

SUMMARY : The test results, reported herein, are submitted for customer evaluation.

Respectfully submitted,
PACIFIC TESTING LABORATORIES, INC.

Casie Wilson
Materials Engineer

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OUTGAS TESTING

REFERENCE : ASTM E 595-07.

REQUIREMENT : ASTM E 595-07, paragraph 1.5:

The criteria used for the acceptance and rejection of materials shall be determined by the user and based upon specific component and system requirements. Historically, a total mass loss (TML) of 1.00% and collected volatile condensable material (CVCM) of 0.10% have been used as screening levels for rejection of spacecraft materials.

TEST METHOD : The Outgas Test was performed in a vacuum environment of less than 5×10^{-5} torr according to ASTM E 595-07, for a duration of 24 hours, at 125°C. The TML, CVCM, and the amount of Water Vapor Recovered (WVR) were measured after the test.

RESULTS : The following table lists the results of the testing:

Sample	TML (%)	CVCM (%)	WVR (%)
Sample 1	0.09	<0.01	0.09
Sample 2	0.07	<0.01	0.08
Sample 3	0.09	<0.01	0.09
Sample 4	0.09	<0.01	0.10
Sample 5	0.10	<0.01	0.09
Sample 6	0.08	<0.01	0.08

REMARKS : The test results, reported herein, are submitted for customer evaluation.