



## A STM E-595 OUTGASSING

<b>Manufacturer:</b> VENTEC USA <b>Attention of:</b> Brian Jubie <b>Address</b> 311 S. Highland Ave, Unit #B Fullerton CA, 92832 USA <b>Phone:</b> 7147739621 <b>Purchase Order No:</b> CC	<b>Report Number:</b> 1509-184 <b>Report Date:</b> 9/29/2015
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### Sample Submission Identification

The following sample(s) were submitted and received in a suitable condition for testing in accordance with the indicated test method and/or specification(s) indicated in the following section(s) of this test report:

**DATE RECEIVED:** 9/15/2015  
**MATERIAL TYPE:** VT-47

**TEST RESULTS SUMMARY:** All test results indicate that the samples tested met or exceeded the minimum requirements as specified in the indicated test method within this report. Actual detailed test results are enclosed.

### Report Signatories(s) and Approval

(Signed for and on behalf of Microtek Laboratories)

#### • STATEMENT OF CERTIFICATION •

MICROTEK LABORATORIES CERTIFIES THAT THE TEST EQUIPMENT USED COMPLIES WITH THE QUALITY AND CALIBRATION REQUIREMENTS OF ISO/IEC-17025 AND THAT THE DATA CONTAINED IN THIS REPORT IS ACCURATE WITHIN THE TOLERANCE LIMITATION OF ITS EQUIPMENT. MICROTEK LABORATORIES HAS TESTED THE MATERIAL/ITEMS SUBMITTED BY THE CLIENT IN ACCORDANCE WITH THE CLIENT'S STATED REQUIREMENTS. THIS TEST REPORT APPLIES ONLY TO THE SAMPLE(S) TESTED, AND IS NOT NECESSARILY INDICATIVE OF THE QUALITY OR CONDITION OF APPARENTLY IDENTICAL OR SIMILAR PARTS OR PRODUCTS. ANY OR ALL OF THE PROCESSES INVOLVED MAY BE SUBCONTRACTED AND SHALL BE SO NOTED ON THE APPLICABLE SECTION OF THIS REPORT.

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*NOTE: TEST(S) IDENTIFIED WITH (\*\*) ARE NOT CURRENTLY IN MICROTEK LABORATORIES A2LA ISO/IEC 17025 SCOPE OF ACCREDITATION.*

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**QUALITY - INTEGRITY - SERVICE**

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## ASTM E-595 OUTGASSING

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Material Identification: VT-47  
Test Procedures: ASTM E-595  
Test Method Variation(s): None  
Sample Prep Performed By: T. Jones  
Test(s) Performed By: T. Jones

Date: 9/29/15

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### **TEST RESULTS:**

The specimen(s), when tested as specified above met or exceeded the requirements within ASTM E-595 for outgassing.

The total mass loss (TML) was noted to be: 0.34%. Maximum allowable limit is 1.00%.

The collected volatile condensable material (CVCM) was noted to be <0.01%. Maximum allowable limit is 0.10%.

The water vapor recovery (WVR) was noted to be 0.28%. There is no limit on this requirement.



**TEST REPORT FOR:  
MASS LOSS AND COLLECTED VOLATILE CONDENSABLE MATERIALS**

CUSTOMER: **MICROTEK**  
**1435 ALLEC STREET**  
**ANAHEIM, CA 92805**

ORDER # **215298**

ATTENTION: **DAMON RACHELL**

P.O. #: **5531-5160**

SAMPLE #: **22597**

TEST POSITION #: **3**

MATERIAL TESTED: **VT-47**

LOT: **N/A**

TEST DATE: **09/27/15**

TEST NUMBER: **4675**

PRESSURE (torr): **3.9XE-7**

	SPECIFICATION LIMITS	RESULTS:	DETECTION LIMITS
Total Mass Loss (TML):	1.00 % maximum	0.34	0.01
Collected Volatile Condensable Material (CVCM):	.10 % maximum	< 0.01	0.01
Water Vapor Recovered (WVR):	Report	0.28	0.01

OBSERVATIONS: **NO**

Visible Condensate:	NO	Transparent:	NO
Percent Covered:	N/A	Opaque:	NO
Thin:	N/A	Interference Fringes:	NO
Heavy:	N/A	Color of Fringes:	N/A

COMMENTS: None

SPECIMEN APPEARANCE AFTER TEST: **No Change**

If you have any questions regarding this report, please call  
the Commerical Testing Coordinator at (805) 566-2870  
TESTING PERFORMED IN ACCORDANCE WITH ASTM E-595.

By: *Martin Rij*  
Quality Assurance Designate  
Date: 9/28/15

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