



Report No. 547646-001  
March 5, 2010

Mr. Peter Wood  
Planar Monolithics Industries, Inc.  
7311-F Grove Road. PMI  
Frederick, MD 21704

Reference: Planar Monolithics Industries, Inc. Purchase Order No. PO10-082  
Sypris Test & Measurement Job No. 547646

Subject: Water Vapor Content Testing on One (1) Filter Detector  
Model Number RFFD-618-730049, S/N: 98.

Dear Mr. Wood:

This is to certify that the above referenced unit was subjected to a Water Vapor Content Test. The test was conducted in accordance with MIL-STD-883, Method 1018, Procedure I. The test was completed on March 2, 2010.

The test was conducted by an approved subcontractor. Below are the results of the test.

INLET PRESSURE	torr	245						
NITROGEN	ppmv	2,771						
OXYGEN	ppmv	ND						
ARGON	%v	71.0						
CO2	ppmv	582						
<b>MOISTURE</b>	<b>ppmv</b>	<b>5,746</b>						
<b>HYDROGEN</b>	<b>%v</b>	<b>1.09</b>						
METHANE	ppmv	ND						
AMMONIA	ppmv	ND						
HELIUM	%v	27.0						
FLUORO-CARBONS	ppmv	ND						
KRYPTON	ppmv	ND						

COMMENTS:

ND = None Detected  
1% = 10,000 ppm

Tested per ORS SOP MEL-1018. "Internal Water-Vapor Content - DSCC Suitability for Military Devices"  
All samples were prebaked 16 - 24hrs. @ 100°C prior to analysis.  
Samples were tested at 100°C

Submitted by,  
  
Donald R. Zoon  
Test Engineer

ISO 9001:2000

SYPRIS TEST & MEASUREMENT INC. ·

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