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## **PURAFIL ENVIRONMENTAL CORROSIVITY REPORT**

28-Oct-2010

**Company:** 116110

Room Area ID: Reference #:



 Sales Order #:
 C002697

 CCC Panel #:
 P68007

 Date In:
 20-Sep-2010

 Date Out:
 05-Oct-2010

Days In Service: 15

**CCC Panel # P68007** 

ISA Class G2 Moderate

Copper Corrosion 567 Å/30 Days

Silver Corrosion 4116 Å/30 Days

(see next page for complete analysis)

## Summary for PURAFIL CCC # P68007

The electrolytic reduction analysis on Corrosion Classification Coupon #P68007 shows the presence of moderate concentrations of contaminants in the environment tested. The hydrogen sulfide level is expected to range between 3 and 10 ppb and the sulfur dioxide level between 10 and 100 ppb. The effects of corrosion are measurable and may be a factor in determining equipment reliability.

Your local representative for additional information and assistance is:

Environmental Health and Eng
117 Fourth Avenue, Needham MA 02494, USA
tminegishi@eheinc.com

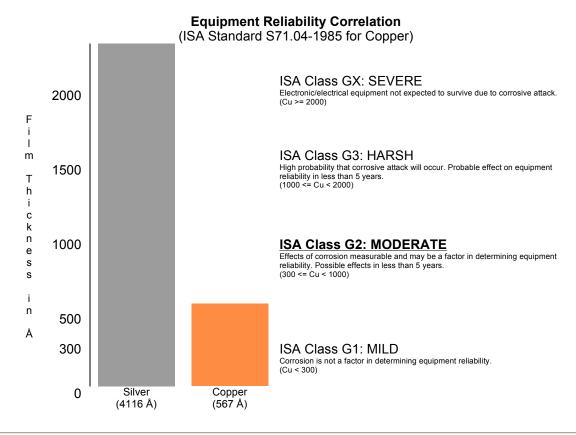
Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922 Email: purafil@purafil.com / Internet: http://www.purafil.com

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## PURAFIL CCC # P68007 Analysis Results

Corrosion Film Composition Projections				Gold Coupon - Magnified 20x
	30 Days	1 Year	5 Year	Wagiiiieu 20x
Copper Films	<del></del>			
Cu <sub>2</sub> S	419 Å	1463 Å	3270 Å	
Cu <sub>2</sub> O	148 Å	516 Å	1154 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	567 Å	1979 Å	4424 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag <sub>2</sub> S	4116 Å	50106 Å	250531 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	4116 Å	50106 Å	250531 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				



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