## PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

21-Oct-2010

**Company:** 116184

Room Area ID: Reference #:



 Sales Order #:
 C002697

 CCC Panel #:
 P67956

 Date In:
 28-Sep-2010

 Date Out:
 12-Oct-2010

Days In Service: 14

**CCC Panel # P67956** 

ISA Class G1 Mild

Copper Corrosion 261 Å/30 Days

Silver Corrosion 247 Å/30 Days

(see next page for complete analysis)

## Summary for PURAFIL CCC # P67956

The electrolytic reduction analysis on Corrosion Classification Coupon #P67956 shows the presence of only very low concentrations of contaminants in the environment tested. The hydrogen sulfide level is not expected to exceed 3 ppb and the sulfur dioxide level should be less than 10 ppb. Corrosion is not a factor in determining equipment reliability in this environment.

Your local representative for additional information and assistance is:

Environmental Health and Eng

117 Fourth Avenue, Needham MA 02494, USA

tminegishi@eheinc.com

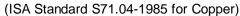
Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922 Email: purafil@purafil.com / Internet: http://www.purafil.com

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## PURAFIL CCC # P67956 Analysis Results

Corrosion Film Composition				Gold Coupon -
	30 Days	rojections <u>1 Year</u>	<u>5 Year</u>	Magnified 20x
Copper Films Cu <sub>2</sub> S	0 Å	o Å	o Å	
Cu <sub>2</sub> O	261 Å	349 Å	456 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	261 Å	349 Å	456 Å	
Silver Films AgCl	o Å	o Å	0 Å	
Ag <sub>2</sub> S	247 Å	3001 Å	15007 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	247 Å	3001 Å	15007 Å	
Gold Pore Corrosion: Note: 1000 Å = 0.1 micron				

## **Equipment Reliability Correlation**





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