

PURAFIL ENVIRONMENTAL CORROSION REPORT

20-Oct-2010

Company: 116148

Sales Order #: C002697

CCC Panel #: P68006

Date In: 22-Sep-2010

Date Out: 06-Oct-2010

Days In Service: 14

Room Area ID:

Reference #:



DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company 116148	
Address	
Room/Area I.D.	
Date In 9/22/10	Time In: 1:50 a.m. p.m.
Date Out 10/6/10	Time Out: 8:20 a.m. p.m.
Coupon # P68006	Tracking # 02697
Serial #	
<input type="checkbox"/> Industrial <input type="checkbox"/> ERM <input type="checkbox"/> Preservation <input type="checkbox"/> CIF	

PURAFIL
First...in clean air

2654 Weaver Way • Doraville, Georgia 30340
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Fax: (770) 263-6922 • www.purafil.com

CCC Panel # P68006
ISA Class G1
Mild

Copper Corrosion
169 Å/30 Days
Silver Corrosion
241 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P68006

The electrolytic reduction analysis on Corrosion Classification Coupon #P68006 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 # P68006 Analysis Results

Corrosion Film Composition				Gold Coupon - Magnified 20x
	Projections			
	<u>30 Days</u>	<u>1 Year</u>	<u>5 Year</u>	
Copper Films				
Cu ₂ S	0 Å	0 Å	0 Å	
Cu ₂ O	169 Å	225 Å	294 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	169 Å	225 Å	294 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	241 Å	2928 Å	14641 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	241 Å	2928 Å	14641 Å	

Gold Pore Corrosion:
 Note: 1000 Å = 0.1 micron

Equipment Reliability Correlation
 (ISA Standard S71.04-1985 for Copper)

