

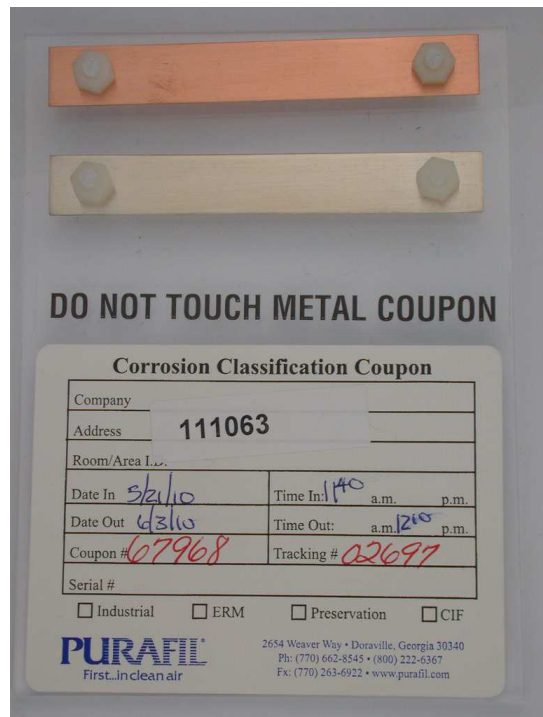
PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

10-Jun-2010

Company: 111063

Sales Order #: C002697
CCC Panel #: P67968
Date In: 21-May-2010
Date Out: 03-Jun-2010
Days In Service: 13

Room Area ID:
Reference #:



DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company	
Address 111063	
Room/Area Loc.	
Date In 5/21/10	Time In 1:40 a.m. p.m.
Date Out 6/3/10	Time Out a.m. 12:00 p.m.
Coupon # 67968	Tracking # 02697
Serial #	
☐ Industrial ☐ ERM ☐ Preservation ☐ CIF	

PURAFIL
First...in clean air

2654 Weaver Way • Doraville, Georgia 30340
Ph: (770) 662-8545 • (800) 222-6367
Fx: (770) 263-6922 • www.purafil.com

CCC Panel # P67968

ISA Class G1
Mild

Copper Corrosion
138 Å/30 Days

Silver Corrosion
273 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67968

The electrolytic reduction analysis on Corrosion Classification Coupon #P67968 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 # P67968 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	138 Å	182 Å	238 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	138 Å	182 Å	238 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	216 Å	2628 Å	13140 Å	
Unknowns	57 Å	694 Å	3469 Å	
Totals	273 Å	3322 Å	16609 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

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