

PURAFIL ENVIRONMENTAL CORROSION REPORT

20-Oct-2010

Company: 116146

Sales Order #: C002697

CCC Panel #: P68003

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 116146	
Address	
Room/Area I.D.	
Date In 9/22/10	Time In: 5:50 p.m.
Date Out 10/6/10	Time Out: 8:5 a.m. p.m.
Coupon # 68003	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
Ph: (770) 662-8545 • (800) 222-6367
Fax: (770) 263-6922 • www.purafil.com

CCC Panel # P68003
ISA Class G1
Mild

Copper Corrosion
270 Å/30 Days
Silver Corrosion
281 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P68003

The electrolytic reduction analysis on Corrosion Classification Coupon #P68003 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 # P68003 Analysis Results

	Corrosion Film Composition Projections			Gold Coupon - Magnified 20x
	30 Days	1 Year	5 Year	
Copper Films				
Cu ₂ S	0 Å	0 Å	0 Å	
Cu ₂ O	270 Å	360 Å	471 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	270 Å	360 Å	471 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	281 Å	3416 Å	17082 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	281 Å	3416 Å	17082 Å	

Gold Pore Corrosion:
 Note: 1000 Å = 0.1 micron

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

