

PURAFIL ENVIRONMENTAL CORROSION REPORT

20-Oct-2010

Company: 115595

Sales Order #: C002697

CCC Panel #: P67987

Date In: 22-Sep-2010

Date Out: 06-Oct-2010

Days In Service: 14

Room Area ID:

Reference #:

115595

DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company	
Address	
Room/Area I.D. <i>FB</i>	
Date In <i>9/22/10</i>	Time In: <i>17:00</i> a.m. p.m.
Date Out <i>10/6/10</i>	Time Out: <i>11:30</i> a.m. p.m.
Coupon # <i>67987</i>	Tracking # <i>02697</i>
Serial #	

Industrial
 ERM
 Preservation
 CIF

PURAFIL
 First. In clean air.

2654 Weaver Way • Doraville, Georgia 30340
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CCC Panel # P67987
ISA Class G1
Mild

Copper Corrosion
177 Å/30 Days
Silver Corrosion
210 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67987

The electrolytic reduction analysis on Corrosion Classification Coupon #P67987 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 # P67987 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	177 Å	236 Å	309 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	177 Å	236 Å	309 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	210 Å	2562 Å	12811 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	210 Å	2562 Å	12811 Å	

Gold Pore Corrosion:
 Note: 1000 Å = 0.1 micron

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

