

PURAFIL ENVIRONMENTAL CORROSION REPORT

21-Oct-2010

Company: 115501

Sales Order #: C002697

CCC Panel #: P67935

Date In: 21-Sep-2010

Date Out: 06-Oct-2010

Days In Service: 15

Room Area ID:

Reference #:

115501

DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company	
Address	
Room/Area I.D. Blank	
Date In: 9/21/10	Time In: 12:00h.m. p.m.
Date Out: 10/6/10	Time Out: 12:50a.m. p.m.
Coupon #: 67935	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
F: (770) 263-6922 • www.purafil.com

CCC Panel # P67935
ISA Class G1
Mild

Copper Corrosion
178 Å/30 Days
Silver Corrosion
211 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67935

The electrolytic reduction analysis on Corrosion Classification Coupon #P67935 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 # P67935 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	178 Å	240 Å	314 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	178 Å	240 Å	314 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	211 Å	2574 Å	12868 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	211 Å	2574 Å	12868 Å	

Gold Pore Corrosion:
 Note: 1000 Å = 0.1 micron

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

