

PURAFIL ENVIRONMENTAL CORROSIONITY REPORT

10-Jun-2010

Company: 111018

Sales Order #: C002697
CCC Panel #: P67977
Date In: 20-May-2010
Date Out: 04-Jun-2010
Days In Service: 15

Room Area ID:
Reference #:

DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company	
Address	
Room/Area I.D. 111018	
Date In 5/20/10	Time In: 10 ³⁰ a.m.
Date Out 6/4/10	Time Out: 10 ⁰⁵ a.m.
Coupon # 67977	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 # P67977

ISA Class G1
Mild

Copper Corrosion
115 Å/30 Days

Silver Corrosion
226 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67977

The electrolytic reduction analysis on Corrosion Classification Coupon #P67977 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 # P67977 Analysis Results

Corrosion Film Composition				Gold Coupon - Magnified 20x
	Projections			
	30 Days	1 Year	5 Year	
Copper Films				
Cu ₂ S	0 Å	0 Å	0 Å	
Cu ₂ O	115 Å	156 Å	204 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	115 Å	156 Å	204 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	140 Å	1708 Å	8541 Å	
Unknowns	86 Å	1046 Å	5228 Å	
Totals	226 Å	2754 Å	13769 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

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