

PURAFIL ENVIRONMENTAL CORROSION REPORT

21-Oct-2010

Company: 115829

Sales Order #: C002697

CCC Panel #: P68019

Date In: 24-Sep-2010

Date Out: 07-Oct-2010

Days In Service: 13

Room Area ID: FB

Reference #:

DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

115829

Company	
Address	
Room/Area I.D. FB	
Date In 9/24/10	Time In: 17:30 a.m. p.m.
Date Out 10/7/10	Time Out: 4:55 a.m. p.m.
Coupon # P68019	Tracking # Q2697
Serial #	
<input type="checkbox"/> Industrial	<input type="checkbox"/> ERM
<input type="checkbox"/> Preservation	<input type="checkbox"/> CIF

PURAFIL
First in clean air

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CCC Panel # P68019
ISA Class G1
Mild

Copper Corrosion
292 Å/30 Days
Silver Corrosion
246 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P68019

The electrolytic reduction analysis on Corrosion Classification Coupon #P68019 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 # P68019 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	242 Å	319 Å	417 Å	
Unknowns	50 Å	66 Å	87 Å	
Totals	292 Å	385 Å	504 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	246 Å	2996 Å	14979 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	246 Å	2996 Å	14979 Å	

Gold Pore Corrosion:
 Note: 1000 Å = 0.1 micron

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

