

PURAFIL ENVIRONMENTAL CORROSION REPORT

Company: 116165

28-Oct-2010

Sales Order #: C002697
CCC Panel #: P68012
Date In: 24-Sep-2010
Date Out: 07-Oct-2010
Days In Service: 13

Room Area ID:
Reference #:

DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company	116165		
Address			
Room/Area ID			
Date In	9/24/10	Time In	5:00 a.m. p.m.
Date Out	10/7/10	Time Out	5:55 p.m.
Coupon #	68012	Tracking #	02697
Serial #			

Industrial ERM Preservation CIF

PURAFIL
 First In Clean Air

2654 Weaver Way • Doraville, Georgia 30348
 Ph: (770) 662-8545 • (800) 222-6922
 Fax: (770) 263-6922 • www.purafil.com

CCC Panel # P68012

ISA Class G2
Moderate

Copper Corrosion
490 Å/30 Days

Silver Corrosion
2849 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P68012

The electrolytic reduction analysis on Corrosion Classification Coupon #P68012 shows the presence of moderate concentrations of contaminants in the environment tested. The hydrogen sulfide level is expected to range between 3 and 10 ppb and the sulfur dioxide level between 10 and 100 ppb. The effects of corrosion are measurable and may be a factor in determining equipment reliability.

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 # P68012 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	346 Å	693 Å	1185 Å	
Cu ₂ O	144 Å	288 Å	493 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	490 Å	981 Å	1678 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	2849 Å	34689 Å	173445 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	2849 Å	34689 Å	173445 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

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

