

PURAFIL ENVIRONMENTAL CORROSION REPORT

01-Dec-2010

Company: 118660

Sales Order #: C002688

CCC Panel #: P67654

Date In: 19-Oct-2010

Date Out: 16-Nov-2010

Days In Service: 28

Room/Area ID:

Reference #:

DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company		118660	
Address			
Room/Area I.D.			
Date In	10/19/10	Time In:	a.m. 1:30 p.m.
Date Out	11/16/10	Time Out:	a.m. 12:00 p.m.
Coupon #	67654	Tracking #	02688
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 # P67654

ISA Class G1
Mild

Copper Corrosion
177 Å/30 Days

Silver Corrosion
196 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67654

The electrolytic reduction analysis on Corrosion Classification Coupon #P67654 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 # P67654 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	177 Å	266 Å	348 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	177 Å	266 Å	348 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	150 Å	1830 Å	9151 Å	
Unknowns	46 Å	560 Å	2801 Å	
Totals	196 Å	2390 Å	11952 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

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

