

PURAFIL ENVIRONMENTAL CORROSION REPORT

28-May-2010

Company: 110535

Sales Order #: C002682
 CCC Panel #: P67441
 Date In: 08-May-2010
 Date Out: 20-May-2010
 Days In Service: 12

Room Area ID:
 Reference #:

DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company		110535	
Address		110535	
Room/Area I.D.			
Date In	Time In:	a.m.	p.m.
Date Out	Time Out:	a.m.	p.m.
Coupon #	67441		
Serial #	Tracking # 02682		

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 # P67441
ISA Class G1
Mild

Copper Corrosion
210 Å/30 Days

Silver Corrosion
246 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67441

The electrolytic reduction analysis on Corrosion Classification Coupon #P67441 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 # P67441 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	210 Å	274 Å	358 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	210 Å	274 Å	358 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	147 Å	1794 Å	8968 Å	
Unknowns	99 Å	1209 Å	6045 Å	
Totals	246 Å	3003 Å	15013 Å	

Gold Pore Corrosion:
Note: 1000 Å = 0.1 micron

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

