

PURAFIL ENVIRONMENTAL CORROSION REPORT

21-Oct-2010

Company: 116186

Sales Order #: C002697

CCC Panel #: P67962

Date In: 28-Sep-2010

Date Out: 12-Oct-2010

Days In Service: 14

Room Area ID:

Reference #:

DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company		116186	
Address			
Room/Area I.D.			
Date In	9/28/10	Time In:	5:00 a.m. p.m.
Date Out	10/12/10	Time Out:	9:05 a.m. p.m.
Coupon #	67962	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 # P67962
ISA Class G2
Moderate

Copper Corrosion
347 Å/30 Days
Silver Corrosion
239 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67962

The electrolytic reduction analysis on Corrosion Classification Coupon #P67962 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 # P67962 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	0 Å	0 Å	0 Å	
Cu ₂ O	347 Å	464 Å	607 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	347 Å	464 Å	607 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	239 Å	2904 Å	14519 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	239 Å	2904 Å	14519 Å	

Gold Pore Corrosion:
 Note: 1000 Å = 0.1 micron

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

