

PURAFIL ENVIRONMENTAL CORROSION REPORT

21-Oct-2010

Company: 115394

Sales Order #: C002697

CCC Panel #: P67952

Date In: 20-Sep-2010

Date Out: 05-Oct-2010

Days In Service: 15

Room Area ID:

Reference #:

DO NOT TOUCH 115394 COUPON

Corrosion Classification Coupon

Company	
Address	
Room/Area I.D. FB	
Date In 9/20/10	Time In: 16:35 a.m. p.m.
Date Out 10/5/10	Time Out: 17:10 a.m. p.m.
Coupon # 167952	Tracking # 02697
Serial #	
<input type="checkbox"/> Industrial <input type="checkbox"/> ERM <input type="checkbox"/> Preservation <input type="checkbox"/> CIF	

PURAFIL
First...in clean air

2654 Weaver Way • Doraville, Georgia 30340
Ph: (770) 662-8545 • (800) 222-6367
Fz: (770) 263-6922 • www.purafil.com

CCC Panel # P67952
ISA Class G2
Moderate

Copper Corrosion
311 Å/30 Days
Silver Corrosion
316 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67952

The electrolytic reduction analysis on Corrosion Classification Coupon #P67952 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 # P67952 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	277 Å	374 Å	489 Å	
Unknowns	34 Å	46 Å	60 Å	
Totals	311 Å	420 Å	549 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	262 Å	3189 Å	15943 Å	
Unknowns	54 Å	654 Å	3268 Å	
Totals	316 Å	3843 Å	19211 Å	

Gold Pore Corrosion:
 Note: 1000 Å = 0.1 micron

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

