

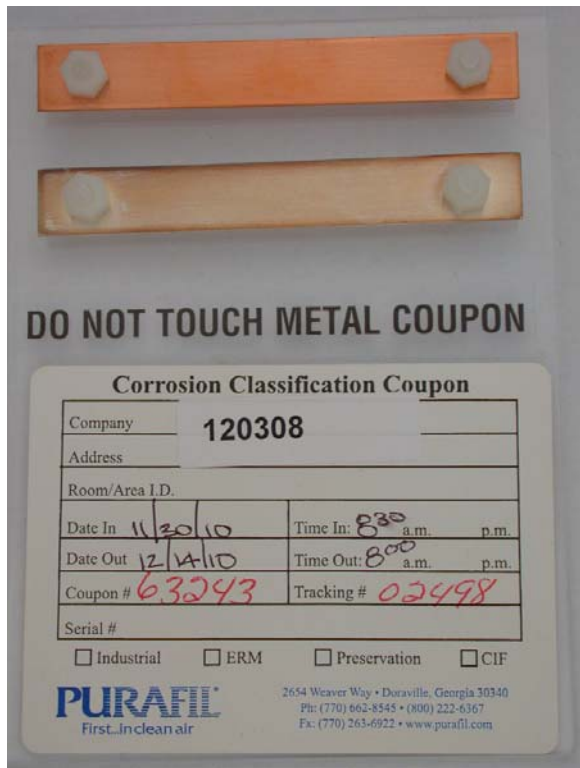
PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

18-Jan-2011

Company: 120308

Room/Area ID:
Reference #:

Sales Order #: C002498
 CCC Panel #: P63243
 Date In: 30-Nov-2010
 Date Out: 14-Dec-2010
 Days In Service: 14



DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company 120308	
Address	
Room/Area I.D.	
Date In 11/30/10	Time In: 8:30 a.m. p.m.
Date Out 12/14/10	Time Out: 8:00 a.m. p.m.
Coupon # 63243	Tracking # 02498
Serial #	

☐ Industrial
 ☐ ERM
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 ☐ CIF

PURAFIL
 First-Inc Clean Air

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

CCC Panel # P63243

ISA Class G2
 Moderate

Copper Corrosion
 303 Å/30 Days

Silver Corrosion
 473 Å/30 Days

(see next page for complete
analysis)

Summary for PURAFIL CCC # P63243

The electrolytic reduction analysis on Corrosion Classification Coupon #P63243 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 # P63243 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	303 Å	405 Å	530 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	303 Å	405 Å	530 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	473 Å	5759 Å	28795 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	473 Å	5759 Å	28795 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

Equipment Reliability Correlation

(ISA Standard S71.04-1985 for Copper)

