

PURAFIL ENVIRONMENTAL CORROSION REPORT

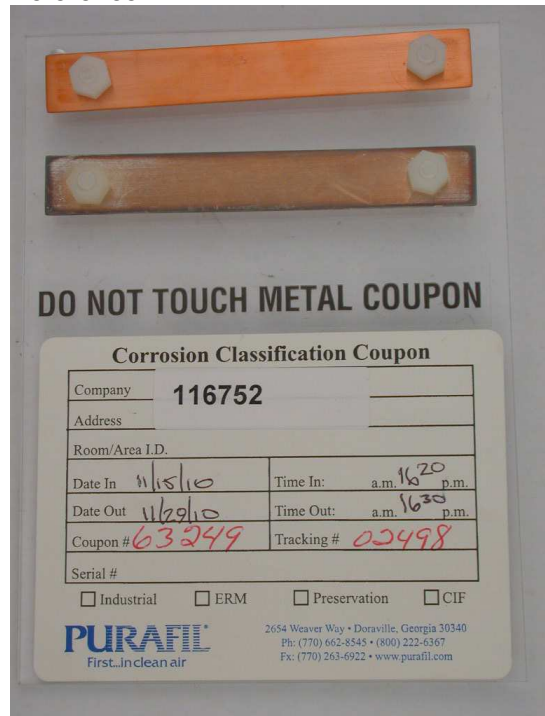
20-Dec-2010

Company: 116752

Sales Order #: C002498
CCC Panel #: P63249
Date In: 15-Nov-2010
Date Out: 29-Nov-2010
Days In Service: 14

Room/Area ID:

Reference #:



DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company 116752	
Address	
Room/Area I.D.	
Date In 11/15/10	Time In: a.m. 16:20 p.m.
Date Out 11/29/10	Time Out: a.m. 16:30 p.m.
Coupon # 63249	Tracking # 02498
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 # P63249

ISA Class G2
Moderate

Copper Corrosion
357 Å/30 Days

Silver Corrosion
648 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P63249

The electrolytic reduction analysis on Corrosion Classification Coupon #P63249 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 # P63249 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	270 Å	360 Å	471 Å	
Unknowns	87 Å	117 Å	153 Å	
Totals	357 Å	477 Å	624 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	521 Å	6345 Å	31723 Å	
Unknowns	127 Å	1540 Å	7702 Å	
Totals	648 Å	7885 Å	39425 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

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

