

PURAFIL ENVIRONMENTAL CORROSION REPORT

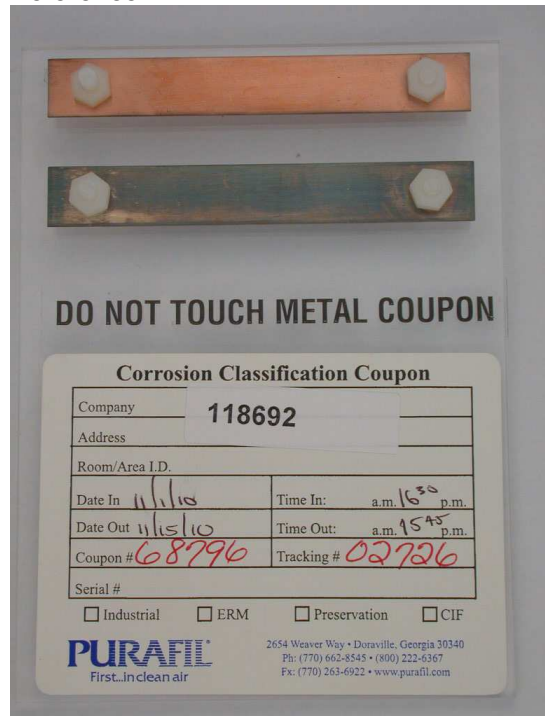
23-Nov-2010

Company: 118692

Sales Order #: C002726
CCC Panel #: P68796
Date In: 01-Nov-2010
Date Out: 15-Nov-2010
Days In Service: 14

Room/Area ID:

Reference #:



DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company 118692	
Address	
Room/Area I.D.	
Date In 11/1/10	Time In: a.m. 1:30 p.m.
Date Out 11/15/10	Time Out: a.m. 1:45 p.m.
Coupon # 68796	Tracking # 02726
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 # P68796

ISA Class G2
Moderate

Copper Corrosion
371 Å/30 Days

Silver Corrosion
2204 Å/30 Days

(see next page for complete
analysis)

Summary for PURAFIL CCC # P68796

The electrolytic reduction analysis on Corrosion Classification Coupon #P68796 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, sulfur dioxide between 10 and 100 ppb, and chlorine between 1 and 2 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 # P68796 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	371 Å	495 Å	648 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	371 Å	495 Å	648 Å	
Silver Films				
AgCl	19 Å	227 Å	1136 Å	
Ag ₂ S	2185 Å	26599 Å	132993 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	2204 Å	26826 Å	134129 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

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

