

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

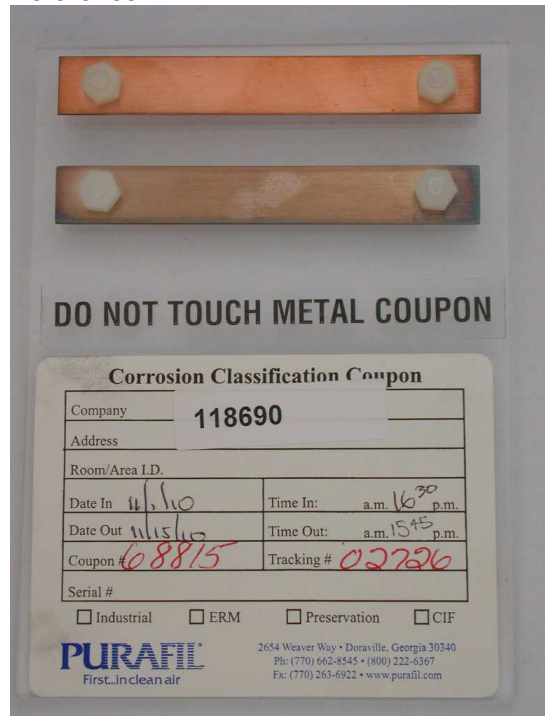
02-Dec-2010

Company: 118690

Sales Order #: C002726
CCC Panel #: P68815
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	118690		
Address			
Room/Area I.D.			
Date In	11/1/10	Time In:	a.m. 16 ³⁰ p.m.
Date Out	11/15/10	Time Out:	a.m. 15 ⁴⁵ p.m.
Coupon	68815	Tracking #	02726
Serial #			

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PURAFIL
First in clean air

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CCC Panel # P68815

ISA Class G2
Moderate

Copper Corrosion
539 Å/30 Days

Silver Corrosion
842 Å/30 Days

(see next page for complete
analysis)

Summary for PURAFIL CCC # P68815

The electrolytic reduction analysis on Corrosion Classification Coupon #P68815 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 # P68815 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	434 Å	879 Å	1503 Å	
Cu ₂ O	105 Å	213 Å	365 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	539 Å	1092 Å	1868 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	842 Å	10249 Å	51245 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	842 Å	10249 Å	51245 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

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

