

PURAFIL ENVIRONMENTAL CORROSION REPORT

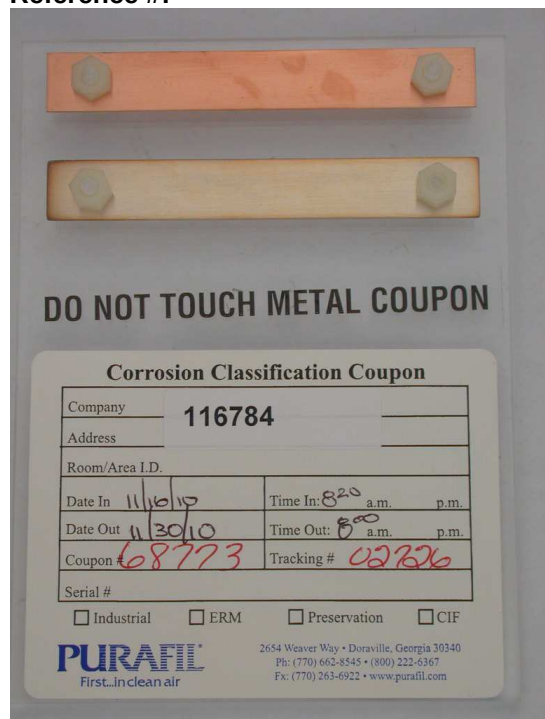
17-Dec-2010

Company: 116784

Sales Order #: C002726
CCC Panel #: P68773
Date In: 16-Nov-2010
Date Out: 30-Nov-2010
Days In Service: 14

Room/Area ID:

Reference #:



DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company 116784	
Address	
Room/Area I.D.	
Date In 11/16/10	Time In: 8:20 a.m. p.m.
Date Out 11/30/10	Time Out: 8:00 a.m. p.m.
Coupon 68773	Tracking # 02826
Serial #	

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PURAFIL
First...in clean air

2654 Weaver Way • Doraville, Georgia 30340
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Fk: (770) 263-6922 • www.purafil.com

CCC Panel # P68773

ISA Class G1
Mild

Copper Corrosion
179 Å/30 Days

Silver Corrosion
271 Å/30 Days

(see next page for complete
analysis)

Summary for PURAFIL CCC # P68773

The electrolytic reduction analysis on Corrosion Classification Coupon #P68773 shows the presence of only very low concentrations of contaminants in the environment tested. The hydrogen sulfide level is not expected to exceed 3 ppb and the sulfur dioxide level should be less than 10 ppb. Corrosion is not a factor in determining equipment reliability in this environment.

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 # P68773 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	150 Å	200 Å	262 Å	
Unknowns	29 Å	39 Å	51 Å	
Totals	179 Å	239 Å	313 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	271 Å	3294 Å	16472 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	271 Å	3294 Å	16472 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

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

