

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

03-Dec-2010

Company: 118689

Sales Order #: C002726
CCC Panel #: P68803
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 118689	
Address	
Room/Area I.D.	
Date In <i>11/1/10</i>	Time In: a.m. <i>16:00</i> p.m.
Date Out <i>11/15/10</i>	Time Out: a.m. <i>15:45</i> p.m.
Coupon # <i>68803</i>	Tracking # <i>02726</i>
Serial #	
☐ Industrial ☐ ERM ☐ Preservation ☐ CIF	

PURAFIL
First...in clean air

2654 Weaver Way • Doraville, Georgia 30340
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CCC Panel # P68803**ISA Class G2**
Moderate**Copper Corrosion**
370 Å/30 Days**Silver Corrosion**
551 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P68803

The electrolytic reduction analysis on Corrosion Classification Coupon #P68803 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

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PURAFIL CCC # P68803 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	294 Å	393 Å	513 Å	
Cu ₂ O	76 Å	101 Å	132 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	370 Å	494 Å	645 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	551 Å	6711 Å	33553 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	551 Å	6711 Å	33553 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

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

