

# PURAFIL ENVIRONMENTAL CORROSION REPORT

20-Oct-2010

Company: 115910

Sales Order #: C002697

CCC Panel #: P68023

Date In: 29-Sep-2010

Date Out: 13-Oct-2010

Days In Service: 14

Room Area ID: FB

Reference #:

115910

**DO NOT TOUCH METAL COUPON**

**Corrosion Classification Coupon**

Company	
Address	
Room/Area I.D. FB	
Date In 9/29/10	Time In: 15:25 a.m. p.m.
Date Out	Time Out: a.m. p.m.
Coupon # 68023	Tracking # 02697
Serial #	
<input type="checkbox"/> Industrial <input type="checkbox"/> ERM <input type="checkbox"/> Preservation <input type="checkbox"/> CIF	

**PURAFIL**  
First in clean air

2654 Weaver Way • Doraville, Georgia 30340  
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<b>CCC Panel # P68023</b>
<b>ISA Class G1</b>
Mild

<b>Copper Corrosion</b>
131 Å/30 Days
<b>Silver Corrosion</b>
180 Å/30 Days

(see next page for complete analysis)

### Summary for PURAFIL CCC # P68023

The electrolytic reduction analysis on Corrosion Classification Coupon #P68023 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

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Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922  
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**PURAFIL CCC # P68023 Analysis Results**

	Corrosion Film Composition Projections			Gold Coupon - Magnified 20x
	30 Days	1 Year	5 Year	
<b>Copper Films</b>				
Cu <sub>2</sub> S	0 Å	0 Å	0 Å	
Cu <sub>2</sub> O	131 Å	174 Å	228 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	131 Å	174 Å	228 Å	
<b>Silver Films</b>				
AgCl	0 Å	0 Å	0 Å	
Ag <sub>2</sub> S	180 Å	2196 Å	10981 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	180 Å	2196 Å	10981 Å	

**Gold Pore Corrosion:**  
 Note: 1000 Å = 0.1 micron

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

