

# PURAFIL ENVIRONMENTAL CORROSION REPORT

28-May-2010

Company: 110534

Sales Order #: C002682  
 CCC Panel #: P67420  
 Date In: 08-May-2010  
 Date Out: 20-May-2010  
 Days In Service: 12

Room Area ID:  
 Reference #:

**DO NOT TOUCH METAL COUPON**

**Corrosion Classification Coupon**

Company	
Address <b>110534</b>	
Room/Area I.D.	
Date In	Time In: a.m. p.m.
Date Out	Time Out: a.m. p.m.
Coupon # <b>67420</b>	Tracking # <b>02682</b>
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

<b>CCC Panel # P67420</b>
<b>ISA Class G1</b>
Mild
<b>Copper Corrosion</b>
126 Å/30 Days
<b>Silver Corrosion</b>
196 Å/30 Days

(see next page for complete analysis)

### Summary for PURAFIL CCC # P67420

The electrolytic reduction analysis on Corrosion Classification Coupon #P67420 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

---

Displaying Page 1    [Display Page 2](#)

PURAFIL CCC # P67420 Analysis Results

Corrosion Film Composition				Gold Coupon - Magnified 20x
	Projections			
	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	126 Å	164 Å	214 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	126 Å	164 Å	214 Å	
<b>Silver Films</b>				
AgCl	0 Å	0 Å	0 Å	
Ag <sub>2</sub> S	196 Å	2391 Å	11957 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	196 Å	2391 Å	11957 Å	

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

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

