

PURAFIL ENVIRONMENTAL CORROSION REPORT

24-Jun-2010

Company: 111353

Sales Order #: C002687

CCC Panel #: P67637

Date In: 04-Jun-2010

Date Out: 18-Jun-2010

Days In Service: 14

Room Area ID:

Reference #:

DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company 111353	
Address	
Room/Area I.D.	
Date In 6/4/10	Time In: 10⁴⁰ a.m. p.m.
Date Out 6/18/10	Time Out: 10²⁵ a.m. p.m.
Coupon # 67637	Tracking # 02687
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
Ph: (770) 662-8545 • (800) 222-6367
Fx: (770) 263-6922 • www.purafil.com

CCC Panel # P67637
ISA Class G1
Mild

Copper Corrosion
185 Å/30 Days
Silver Corrosion
182 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67637

The electrolytic reduction analysis on Corrosion Classification Coupon #P67637 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 # P67637 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	185 Å	248 Å	324 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	185 Å	248 Å	324 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	120 Å	1464 Å	7321 Å	
Unknowns	62 Å	756 Å	3781 Å	
Totals	182 Å	2220 Å	11102 Å	

Gold Pore Corrosion:
 Note: 1000 Å = 0.1 micron

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

