

PURAFIL ENVIRONMENTAL CORROSION REPORT

02-Dec-2010

Company: 118740

Sales Order #: C002726
CCC Panel #: P68812
Date In: 02-Nov-2010
Date Out: 16-Nov-2010
Days In Service: 14

Room/Area ID:

Reference #:



DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon	
Company	118740
Address	
Room/Area I.D.	
Date In	11/2/10
Time In	11:15 a.m. p.m.
Date Out	11/16/10
Time Out	11:10 a.m. p.m.
Coupon #	68812
Tracking #	02726
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

CCC Panel # P68812

ISA Class G2
Moderate

Copper Corrosion
483 Å/30 Days

Silver Corrosion
842 Å/30 Days

(see next page for complete
analysis)

Summary for PURAFIL CCC # P68812

The electrolytic reduction analysis on Corrosion Classification Coupon #P68812 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

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 # P68812 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	378 Å	766 Å	1310 Å	
Cu ₂ O	105 Å	213 Å	365 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	483 Å	979 Å	1675 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	842 Å	10249 Å	51245 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	842 Å	10249 Å	51245 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

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

