

PURAFIL ENVIRONMENTAL CORROSION REPORT

Company: 116110

28-Oct-2010

Sales Order #: C002697
 CCC Panel #: P68007
 Date In: 20-Sep-2010
 Date Out: 05-Oct-2010
 Days In Service: 15

Room Area ID:
 Reference #:

DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company 116110	
Address	
Room/Area ID	
Date In: 9/20/10	Time In: a.m. 17:30 p.m.
Date Out: 10/5/10	Time Out: a.m. 17:30 p.m.
Coupon: 68007	Tracking #: 02697
Serial #	
<input type="checkbox"/> Industrial <input type="checkbox"/> ERM <input type="checkbox"/> Preservation <input type="checkbox"/> CCF	

PURAFIL
Test. In Clean Air

2654 Weaver Way, Doraville, Georgia 30349
 Tel: (770) 662-8545 • (800) 223-6307
 Fax: (770) 263-6922 • www.purafil.com

CCC Panel # P68007

ISA Class G2
Moderate

Copper Corrosion
567 Å/30 Days

Silver Corrosion
4116 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P68007

The electrolytic reduction analysis on Corrosion Classification Coupon #P68007 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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 Email: purafil@purafil.com / Internet: http://www.purafil.com

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PURAFIL CCC # P68007 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	419 Å	1463 Å	3270 Å	
Cu ₂ O	148 Å	516 Å	1154 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	567 Å	1979 Å	4424 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	4116 Å	50106 Å	250531 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	4116 Å	50106 Å	250531 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

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

