

PURAFIL ENVIRONMENTAL CORROSION REPORT

28-May-2010

Company: 110506

Sales Order #: C002697
 CCC Panel #: P67994
 Date In: 05-May-2010
 Date Out: 19-May-2010
 Days In Service: 14

Room Area ID:

Reference #:



DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company	
Address 110506	
Room/Area L.L.	
Date In	Time In: a.m. p.m.
Date Out	Time Out: a.m. p.m.
Coupon # 67994	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
 Ph: (770) 662-8545 • (800) 222-6367
 Fx: (770) 263-6922 • www.purafil.com

CCC Panel # P67994
ISA Class G2 Moderate
Copper Corrosion 380 Å/30 Days
Silver Corrosion 476 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67994

The electrolytic reduction analysis on Corrosion Classification Coupon #P67994 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

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PURAFIL CCC # P67994 Analysis Results

Corrosion Film Composition				Gold Coupon - Magnified 20x
	Projections			
	30 Days	1 Year	5 Year	
Copper Films				
Cu ₂ S	269 Å	360 Å	471 Å	
Cu ₂ O	111 Å	149 Å	194 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	380 Å	509 Å	665 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	437 Å	5320 Å	26599 Å	
Unknowns	39 Å	476 Å	2381 Å	
Totals	476 Å	5796 Å	28980 Å	

Gold Pore Corrosion:
Note: 1000 Å = 0.1 micron

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

