

PURAFIL ENVIRONMENTAL CORROSIONITY REPORT

25-Jun-2010

Company: 111325

Sales Order #: C002697
CCC Panel #: P67973
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 111325	
Address	
Room/Area I.D.	
Date In 6/4/10	Time In 8:00 a.m. p.m.
Date Out 6/18/10	Time Out 8:00 a.m. p.m.
Coupon # 67973	Tracking # 02697
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 # P67973

ISA Class G2
Moderate

Copper Corrosion
725 Å/30 Days

Silver Corrosion
581 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67973

The electrolytic reduction analysis on Corrosion Classification Coupon #P67973 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 # P67973 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	534 Å	1863 Å	4166 Å	
Cu ₂ O	191 Å	668 Å	1493 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	725 Å	2531 Å	5659 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	581 Å	7077 Å	35383 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	581 Å	7077 Å	35383 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

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