

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

14-Jun-2010

Company: 111003

Sales Order #: C002682
CCC Panel #: P67421
Date In: 20-May-2010
Date Out: 03-Jun-2010
Days In Service: 14

Room Area ID:
Reference #:



DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company	
Address 111003	
Room/Area I.D.	
Date In 5/20/10	Time In: a.m. 1:30 p.m.
Date Out 6/3/10	Time Out: 8:10 a.m. p.m.
Coupon # 67421	Tracking # 02682
Serial #	

☐ Industrial ☐ ERM ☐ Preservation ☐ CIF

PURAFIL
First...in clean air

2654 Weaver Way • Doraville, Georgia 30340
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Fx: (770) 263-6922 • www.purafil.com

CCC Panel # P67421

ISA Class G2
Moderate

Copper Corrosion
591 Å/30 Days

Silver Corrosion
1603 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67421

The electrolytic reduction analysis on Corrosion Classification Coupon #P67421 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 # P67421 Analysis Results

Corrosion Film Composition				Gold Coupon - Magnified 20x
Projections				
	30 Days	1 Year	5 Year	
Copper Films				
Cu ₂ S	495 Å	1727 Å	3863 Å	
Cu ₂ O	96 Å	334 Å	747 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	591 Å	2061 Å	4610 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	1603 Å	19522 Å	97610 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	1603 Å	19522 Å	97610 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

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

