

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

10-Jun-2010

Company: 111064

Sales Order #: C002687
CCC Panel #: P67631
Date In: 21-May-2010
Date Out: 03-Jun-2010
Days In Service: 13

Room Area ID:
Reference #:



DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company	
Add	111064
Room	
Date In	5/21/10
Time In	1:40 a.m. p.m.
Date Out	6/3/10
Time Out	a.m. 12:10 p.m.
Coupon #	67631
Tracking #	02687
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 # P67631

ISA Class G2
Moderate

Copper Corrosion
304 Å/30 Days

Silver Corrosion
701 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67631

The electrolytic reduction analysis on Corrosion Classification Coupon #P67631 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 # P67631 Analysis Results

Corrosion Film Composition				Gold Coupon - Magnified 20x
	Projections			
	30 Days	1 Year	5 Year	
Copper Films				
Cu ₂ S	0 Å	0 Å	0 Å	
Cu ₂ O	121 Å	160 Å	209 Å	
Unknowns	183 Å	241 Å	315 Å	
Totals	304 Å	401 Å	524 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	604 Å	7358 Å	36791 Å	
Unknowns	97 Å	1176 Å	5882 Å	
Totals	701 Å	8534 Å	42673 Å	
Gold Pore Corrosion: Note: 1000 Å = 0.1 micron				

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