

PURAFIL ENVIRONMENTAL CORROSION REPORT

29-Oct-2010

Company: 116129

Sales Order #: C002687

CCC Panel #: P67626

Date In: 21-Sep-2010

Date Out: 05-Oct-2010

Days In Service: 14

Room Area ID:

Reference #:

DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company: 116129	
Address:	
Room/Area I.D.:	
Date In: 9/21/10	Time In: 4:30 p.m.
Date Out: 10/5/10	Time Out: 4:10 p.m.
Coupon #: 67626	Tracking #: 02687
Serial #:	

Industrial
 CRM
 Preservation
 CIF

PURAFIL
First. Inclean air

2654 Weaver Way • Doraville, Georgia 30346
 Tel: (770) 662-8545 • (800) 323-6922
 Fax: (770) 263-6922 • www.purafil.com

CCC Panel # P67626

ISA Class G2 Moderate

Copper Corrosion 381 Å/30 Days
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Silver Corrosion 641 Å/30 Days
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(see next page for complete analysis)

Summary for PURAFIL CCC # P67626

The electrolytic reduction analysis on Corrosion Classification Coupon #P67626 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 # P67626 Analysis Results

Corrosion Film Composition				Gold Coupon - Magnified 20x
	Projections			
	30 Days	1 Year	5 Year	
Copper Films				
Cu ₂ S	294 Å	393 Å	513 Å	
Cu ₂ O	87 Å	116 Å	152 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	381 Å	509 Å	665 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	641 Å	7809 Å	39044 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	641 Å	7809 Å	39044 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

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

