

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

29-Jun-2010

Company: 111388

Sales Order #: C002697
CCC Panel #: P67996
Date In: 03-Jun-2010
Date Out: 17-Jun-2010
Days In Service: 14

Room Area ID:
Reference #:

DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company	111388
Address	
Room/Area I.D.	LR
Date In	6/3/10
Time In	8:45 a.m. p.m.
Date Out	6/17/10
Time Out	8:00 a.m. p.m.
Coupon #	67996
Tracking #	02697
Serial #	

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PURAFIL
First..in clean air

2654 Weaver Way • Doraville, Georgia 30340
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CCC Panel # P67996

ISA Class G2
Moderate

Copper Corrosion
324 Å/30 Days

Silver Corrosion
541 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67996

The electrolytic reduction analysis on Corrosion Classification Coupon #P67996 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 # P67996 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	0 Å	0 Å	0 Å	
Cu ₂ O	184 Å	245 Å	321 Å	
Unknowns	140 Å	187 Å	244 Å	
Totals	324 Å	432 Å	565 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	541 Å	6589 Å	32943 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	541 Å	6589 Å	32943 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

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