

PURAFIL ENVIRONMENTAL CORROSION REPORT

18-Nov-2010

Company: 118627

Sales Order #: C002697
CCC Panel #: P67931
Date In: 20-Oct-2010
Date Out: 02-Nov-2010
Days In Service: 13

Room/Area ID:

Reference #:



DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company	118627		
Address			
Room/Area I.D.			
Date In	10/20/10	Time In:	8:30 a.m. p.m.
Date Out	11/2/10	Time Out:	8:00 a.m. p.m.
Coupon #	67931	Tracking #	02697
Serial #			

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PURAFIL
First...in clean air

2654 Weaver Way • Doraville, Georgia 30340
Ph: (770) 662-8545 • (800) 222-6367
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CCC Panel # P67931

ISA Class G2
Moderate

Copper Corrosion
375 Å/30 Days

Silver Corrosion
287 Å/30 Days

(see next page for complete
analysis)

Summary for PURAFIL CCC # P67931

The electrolytic reduction analysis on Corrosion Classification Coupon #P67931 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 # P67931 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	311 Å	410 Å	537 Å	
Unknowns	64 Å	85 Å	111 Å	
Totals	375 Å	495 Å	648 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	287 Å	3495 Å	17476 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	287 Å	3495 Å	17476 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

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

