

PURAFIL ENVIRONMENTAL CORROSION REPORT

12-Nov-2010

Company: 118530

Sales Order #: C002688
CCC Panel #: P67648
Date In: 04-Oct-2010
Date Out: 19-Oct-2010
Days In Service: 15

Room/Area ID:

Reference #:



DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company 118530	
Address	
Room/Area I.D.	
Date In 10/4/10	Time In: a.m. 18¹⁵ p.m.
Date Out 10/19/10	Time Out: a.m. 18⁰⁰ p.m.
Coupon # 67648	Tracking # 02688
Serial #	

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PURAFIL
First...in clean air

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

CCC Panel # P67648

ISA Class G2
Moderate

Copper Corrosion
372 Å/30 Days

Silver Corrosion
1721 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67648

The electrolytic reduction analysis on Corrosion Classification Coupon #P67648 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
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PURAFIL CCC # P67648 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	306 Å	414 Å	541 Å	
Cu ₂ O	66 Å	89 Å	116 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	372 Å	503 Å	657 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	1721 Å	20954 Å	104768 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	1721 Å	20954 Å	104768 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

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

