

PURAFIL ENVIRONMENTAL CORROSION REPORT

21-Oct-2010

Company: 115711

Sales Order #: C002697

CCC Panel #: P67942

Date In: 23-Sep-2010

Date Out: 07-Oct-2010

Days In Service: 14

Room Area ID:

Reference #:

115711

DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company	
Address	
Room/Area I.D. <i>Living Room</i>	
Date In <i>9/23/10</i>	Time In: <i>16:45</i> a.m. p.m.
Date Out <i>10/7/10</i>	Time Out: <i>9:15</i> a.m. p.m.
Coupon # <i>67942</i>	Tracking # <i>02697</i>
Serial #	

Industrial
 ERM
 Preservation
 CIF

PURAFIL
 First...incleanair

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 Fax: (770) 263-6922 • www.purafil.com

CCC Panel # P67942
ISA Class G2
Moderate

Copper Corrosion
305 Å/30 Days
Silver Corrosion
361 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67942

The electrolytic reduction analysis on Corrosion Classification Coupon #P67942 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 # P67942 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	183 Å	244 Å	319 Å	
Unknowns	122 Å	163 Å	214 Å	
Totals	305 Å	407 Å	533 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	361 Å	4392 Å	21962 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	361 Å	4392 Å	21962 Å	

Gold Pore Corrosion:
 Note: 1000 Å = 0.1 micron

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

