

PURAFIL ENVIRONMENTAL CORROSION REPORT

17-Nov-2010

Company: 118611

Sales Order #: C002726

CCC Panel #: P68747

Date In: 19-Oct-2010

Date Out: 01-Nov-2010

Days In Service: 13

Room/Area ID:

Reference #:

DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company 118611	
Address	
Room/Area I.D.	
Date In 10/19/10	Time In: a.m. 10¹⁵ p.m.
Date Out 11/1/10	Time Out: a.m. 17⁴⁵ p.m.
Coupon # 68747	Tracking # 02226
Serial #	
☐ Industrial ☐ ERM ☐ Preservation ☐ CIF	

PURAFIL
First...in clean air

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

CCC Panel # P68747

ISA Class G2
ModerateCopper Corrosion
318 Å/30 DaysSilver Corrosion
240 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P68747

The electrolytic reduction analysis on Corrosion Classification Coupon #P68747 shows the presence of moderate concentrations of contaminants and high/variable humidity in the environment tested. The hydrogen sulfide level is expected to range between 3 and 10 ppb, sulfur dioxide between 10 and 100 ppb, and chlorine between 1 and 2 ppb. The presence of moisture and small amounts of inorganic chlorine compounds greatly accelerates sulfide corrosion. 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
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PURAFIL CCC # P68747 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	121 Å	160 Å	209 Å	
Unknowns	197 Å	260 Å	340 Å	
Totals	318 Å	420 Å	549 Å	
Silver Films				
AgCl	33 Å	408 Å	2038 Å	
Ag ₂ S	207 Å	2523 Å	12614 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	240 Å	2931 Å	14652 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

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

