

PURAFIL ENVIRONMENTAL CORROSION REPORT

28-Oct-2010

Company: 116164

Sales Order #: C002697
 CCC Panel #: P68027
 Date In: 24-Sep-2010
 Date Out: 07-Oct-2010
 Days In Service: 13

Room Area ID:
 Reference #:

DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company: 116164	
Address:	
Room/Area ID:	
Date In: 9/24/10	Time In: 8:00 a.m. p.m.
Date Out: 10/7/10	Time Out: 12:00 p.m. p.m.
Coupon #: P68027	Tracking #: C02697
Serial #:	
<input type="checkbox"/> Industrial <input type="checkbox"/> ERM <input type="checkbox"/> Preservation <input type="checkbox"/> CCF	

PURAFIL
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CCC Panel # P68027

ISA Class G2
Moderate

Copper Corrosion
475 Å/30 Days

Silver Corrosion
2407 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P68027

The electrolytic reduction analysis on Corrosion Classification Coupon #P68027 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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PURAFIL CCC # P68027 Analysis Results

Corrosion Film Composition				Gold Coupon - Magnified 20x
	Projections			
	30 Days	1 Year	5 Year	
Copper Films				
Cu ₂ S	346 Å	693 Å	1185 Å	
Cu ₂ O	129 Å	258 Å	442 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	475 Å	951 Å	1627 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	2407 Å	29302 Å	146508 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	2407 Å	29302 Å	146508 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

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

