

PURAFIL ENVIRONMENTAL CORROSION REPORT

24-Jun-2010

Company: 111352

Sales Order #: C002697
CCC Panel #: P67998
Date In: 04-Jun-2010
Date Out: 18-Jun-2010
Days In Service: 14

Room/Area ID:
Reference #:



CCC Panel # P67998
ISA Class G1 Mild
Copper Corrosion 99 Å/30 Days
Silver Corrosion 219 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67998

The electrolytic reduction analysis on Corrosion Classification Coupon #P67998 shows the presence of only very low concentrations of contaminants in the environment tested. The hydrogen sulfide level is not expected to exceed 3 ppb and the sulfur dioxide level should be less than 10 ppb. Corrosion is not a factor in determining equipment reliability in this environment.

Your local representative for additional information and assistance is:
 Environmental Health and Eng
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 tminegishi@eheinc.com

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PURAFIL CCC # P67998 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	99 Å	132 Å	172 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	99 Å	132 Å	172 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	150 Å	1830 Å	9151 Å	
Unknowns	69 Å	840 Å	4201 Å	
Totals	219 Å	2670 Å	13352 Å	

Gold Pore Corrosion:
 Note: 1000 Å = 0.1 micron

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

