

PURAFIL ENVIRONMENTAL CORROSION REPORT

27-May-2010

Company: 110507

Sales Order #: C002682
 CCC Panel #: P67418
 Date In: 05-May-2010
 Date Out: 19-May-2010
 Days In Service: 14

Room Area ID:
 Reference #:



CCC Panel # P67418
ISA Class G1 Mild
Copper Corrosion 261 Å/30 Days
Silver Corrosion 255 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67418

The electrolytic reduction analysis on Corrosion Classification Coupon #P67418 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
 117 Fourth Avenue, Needham MA 02494, USA
 tminegishi@eheinc.com

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PURAFIL CCC # P67418 Analysis Results

Corrosion Film Composition				Gold Coupon - Magnified 20x
	Projections			
	30 Days	1 Year	5 Year	
Copper Films				
Cu ₂ S	0 Å	0 Å	0 Å	
Cu ₂ O	261 Å	349 Å	456 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	261 Å	349 Å	456 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	140 Å	1708 Å	8541 Å	
Unknowns	115 Å	1400 Å	7002 Å	
Totals	255 Å	3108 Å	15543 Å	

Gold Pore Corrosion:
Note: 1000 Å = 0.1 micron

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

