

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

27-May-2010

Company: 110507

Room Area ID:  
Reference #:

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



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			
	<u>30 Days</u>	<u>1 Year</u>	<u>5 Year</u>	
<b>Copper Films</b>				
Cu <sub>2</sub> S	0 Å	0 Å	0 Å	
Cu <sub>2</sub> O	261 Å	349 Å	456 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	261 Å	349 Å	456 Å	
<b>Silver Films</b>				
AgCl	0 Å	0 Å	0 Å	
Ag <sub>2</sub> S	140 Å	1708 Å	8541 Å	
Unknowns	115 Å	1400 Å	7002 Å	
Totals	255 Å	3108 Å	15543 Å	
<b>Gold Pore Corrosion:</b> Note: 1000 Å = 0.1 micron				

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

