PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

02-Jun-2010

Company: 110291

Room Area ID: Reference #:



 Sales Order #:
 C002697

 CCC Panel #:
 P67975

 Date In:
 05-May-2010

 Date Out:
 20-May-2010

Days In Service: 15

CCC Panel # P67975

ISA Class G2 Moderate

Copper Corrosion 730 Å/30 Days

Silver Corrosion 1949 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67975

The electrolytic reduction analysis on Corrosion Classification Coupon #P67975 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

Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922 Email: purafil@purafil.com / Internet: http://www.purafil.com

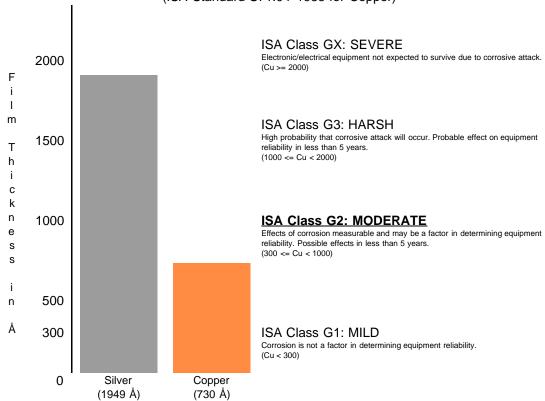
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PURAFIL CCC # P67975 Analysis Results

Corrosion Film Composition Projections				Gold Coupon - Magnified	
	30 Days	1 Year	<u>5 Year</u>	20x	
Copper Films					
Cu ₂ S	0 Å	0 Å	0 Å		
Cu ₂ O	730 Å	2548 Å	5698 Å		
Unknowns	0 Å	0 Å	0 Å		
Totals	730 Å	2548 Å	5698 Å		
Silver Films					
AgCl	0 Å	0 Å	0 Å		
Ag ₂ S	1917 Å	23345 Å	116725 Å		
Unknowns	32 Å	392 Å	1961 Å		
Totals	1949 Å	23737 Å	118686 Å		
Gold Pore Corrosion: Note: 1000 Å = 0.1 micron					

Equipment Reliability Correlation

(ISA Standard S71.04-1985 for Copper)



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