PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

28-May-2010

Company: 110506

Room Area ID: Reference #:



 Sales Order #:
 C002697

 CCC Panel #:
 P67994

 Date In:
 05-May-2010

 Date Out:
 19-May-2010

Days In Service: 14

CCC Panel # P67994

ISA Class G2 Moderate

Copper Corrosion 380 Å/30 Days

Silver Corrosion 476 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67994

The electrolytic reduction analysis on Corrosion Classification Coupon #P67994 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

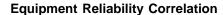
tminegishi@eheinc.com

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

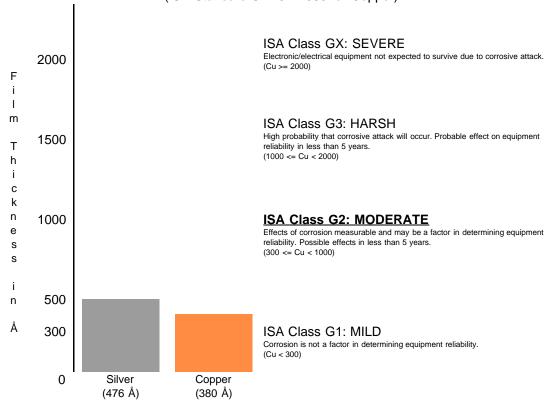
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PURAFIL CCC # P67994 Analysis Results

Corrosion Film Composition				Gold Coupon - Magnified
		rojections	5 V	20x
Copper Films	30 Days	<u>1 Year</u>	<u>5 Year</u>	
Cu ₂ S	269 Å	360 Å	471 Å	
Cu ₂ O	111 Å	149 Å	194 Å	
Unknowns	οÅ	0 Å	0 Å	
Totals	380 Å	509 Å	665 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	437 Å	5320 Å	26599 Å	
Unknowns	39 Å	476 Å	2381 Å	
Totals	476 Å	5796 Å	28980 Å	
Gold Pore Corrosion: Note: 1000 Å = 0.1 micron				



(ISA Standard S71.04-1985 for Copper)



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