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PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

28-Oct-2010

Company: 115590

Room Area ID: Living Room

Reference #:



 Sales Order #:
 C002697

 CCC Panel #:
 P67949

 Date In:
 22-Sep-2010

 Date Out:
 06-Oct-2010

Days In Service: 14

CCC Panel # P67949

ISA Class G3 Harsh

Copper Corrosion 1455 Å/30 Days

Silver Corrosion 2397 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67949

The electrolytic reduction analysis on Corrosion Classification Coupon #P67949 shows the presence of high concentrations of contaminants in the environment tested. The hydrogen sulfide level is expected to range between 10 and 50 ppb, sulfur dioxide between 100 and 300, and chlorine between 2 and 10 ppb. There is a high probability that equipment reliability will be adversely affected due to corrosive attack.

Your local representative for additional information and assistance is:

Environmental Health and Eng

117 Fourth Avenue, Needham MA 02494, USA

tminegishi@eheinc.com

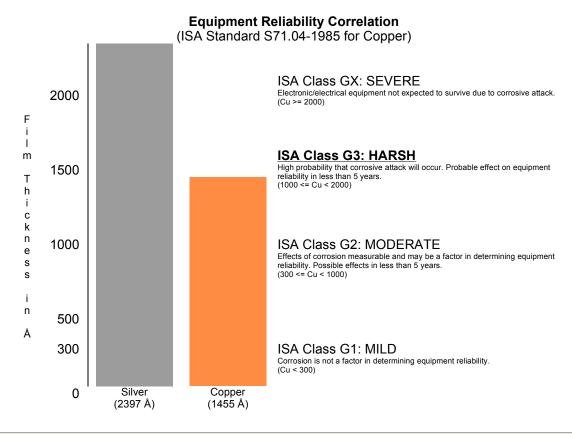
Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922 Email: purafil@purafil.com / Internet: http://www.purafil.com

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PURAFIL CCC # P67949 Analysis Results

Corrosion Film Composition Projections				Gold Coupon - Magnified 20x
	30 Days	1 Year	5 Year	Wagiiiied 20x
Copper Films				
Cu ₂ S	489 Å	1708 Å	3819 Å	
Cu ₂ O	268 Å	935 Å	2090 Å	
Unknowns Totals	698 Å 1455 Å	2437 Å 5080 Å	5448 Å 11357 Å	
Silver Films	1400 A	3000 A	11007 A	
AgCl Ag ₂ S	373 Å 2024 Å	4542 Å 24646 Å	22711 Å 123232 Å	
Unknowns Totals	0 Å 2397 Å	0 Å 29188 Å	0 Å 145943 Å	
Gold Pore Corrosion: Note: 1000 Å = 0.1 micron				



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