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PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

29-Oct-2010

Company: 115591

Room Area ID: Living Room

Reference #:



 Sales Order #:
 C002687

 CCC Panel #:
 P67627

 Date In:
 22-Sep-2010

 Date Out:
 06-Oct-2010

Days In Service: 14

CCC Panel # P67627

ISA Class GX Severe

Copper Corrosion 2186 Å/30 Days

Silver Corrosion 2728 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67627

The electrolytic reduction analysis on Corrosion Classification Coupon #P67627 shows the presence of extremely high concentrations of contaminants and the possibility of high/variable humidity in the environment tested. The hydrogen sulfide level is expected to be in excess of 50 ppb, sulfur dioxide greater than 300 ppb, and chlorine greater than 10 ppb. The presence of moisture and small amounts of inorganic chlorine compounds greatly accelerates sulfide corrosion. Electronic/electrical equipment is not expected to survive in this environment 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

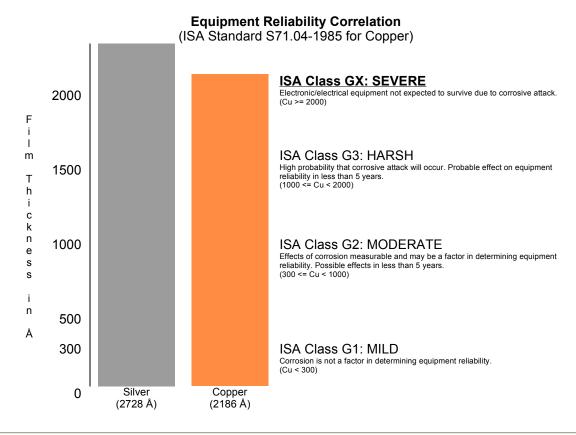
Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922 Email: purafil@purafil.com / Internet: http://www.purafil.com

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PURAFIL CCC # P67627 Analysis Results

Corrosion Film Composition Projections				Gold Coupon -
	30 Days	1 Year	5 Year	Magnified 20x
Copper Films				
Cu ₂ S	651 Å	1553 Å	3472 Å	
Cu ₂ O	280 Å	668 Å	1493 Å	
Unknowns	1255 Å	2990 Å	6686 Å	
Totals	2186 Å	5211 Å	11651 Å	
Silver Films				
AgCl	684 Å	8327 Å	41637 Å	
Ag ₂ S	2044 Å	24890 Å	124452 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	2728 Å	33217 Å	166089 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				



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