PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

22-Oct-2010

Company: 115593

Room Area ID: Supply

Reference #:



 Sales Order #:
 C002697

 CCC Panel #:
 P67958

 Date In:
 22-Sep-2010

 Date Out:
 06-Oct-2010

Days In Service: 14

CCC Panel # P67958

ISA Class G2 Moderate

Copper Corrosion 572 Å/30 Days

Silver Corrosion 992 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67958

The electrolytic reduction analysis on Corrosion Classification Coupon #P67958 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, sulfur dioxide between 10 and 100 ppb, and chlorine between 1 and 2 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

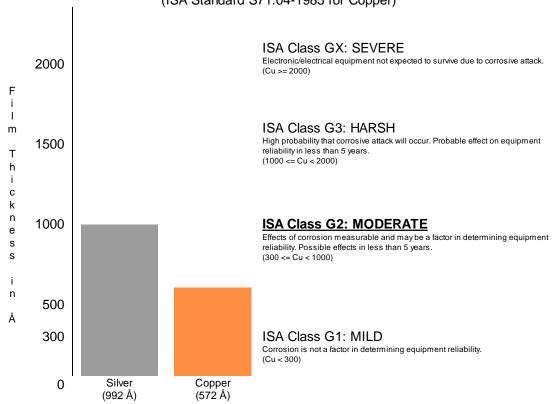
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PURAFIL CCC # P67958 Analysis Results

Corrosion Film Composition Projections				Gold Coupon - Magnified 20x
	<u>30 Days</u>	1 Year	5 Year	wagnined 20x
Copper Films Cu ₂ S	178 Å	361 Å	617 Å	
Cu ₂ O	77 Å	155 Å	265 Å	
Unknowns	317 Å	643 Å	1100 Å	
Totals	572 Å	1159 Å	1982 Å	
Silver Films AgCl	311 Å	3785 Å	18926 Å	
Ag ₂ S	681 Å	8297 Å	41484 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	992 Å	12082 Å	60410 Å	
Gold Pore Corrosion: Note: 1000 Å = 0.1 micron				

Equipment Reliability Correlation

(ISA Standard S71.04-1985 for Copper)



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