PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

02-Jun-2010

Company: 110387

Room Area ID: Reference #:



 Sales Order #:
 C002682

 CCC Panel #:
 P67446

 Date In:
 08-May-2010

 Date Out:
 21-May-2010

Days In Service:

Service: 13 CCC Panel # P67446

> ISA Class G2 Moderate

Copper Corrosion 478 Å/30 Days

Silver Corrosion 1638 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67446

The electrolytic reduction analysis on Corrosion Classification Coupon #P67446 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

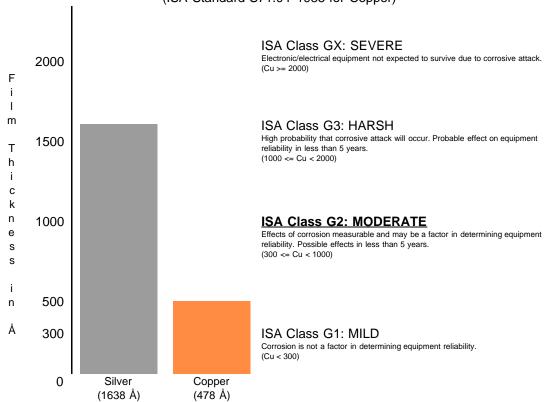
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PURAFIL CCC # P67446 Analysis Results

Corrosion Film Composition Projections				Gold Coupon - Magnified 20x
	<u>30 Days</u>	1 Year	<u>5 Year</u>	
Copper Films				
Cu ₂ S	0 Å	0 Å	0 Å	
Cu ₂ O	313 Å	626 Å	1070 Å	
Unknowns	165 Å	330 Å	564 Å	
Totals	478 Å	956 Å	1634 Å	
Silver Films				
AgCI	0 Å	0 Å	0 Å	
Ag ₂ S	1554 Å	18921 Å	94606 Å	
Unknowns	84 Å	1025 Å	5127 Å	
Totals	1638 Å	19946 Å	99733 Å	
Gold Pore Corrosion: Note: 1000 Å = 0.1 micron				

Equipment Reliability Correlation

(ISA Standard S71.04-1985 for Copper)



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