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PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

18-Nov-2010

Company: 118580

Room/Area ID: Reference #:



 Sales Order #:
 C002726

 CCC Panel #:
 P68841

 Date In:
 19-Oct-2010

 Date Out:
 01-Nov-2010

Days In Service: 13

CCC Panel # P68841

ISA Class G2 Moderate

Copper Corrosion 520 Å/30 Days

Silver Corrosion 2417 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P68841

The electrolytic reduction analysis on Corrosion Classification Coupon #P68841 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

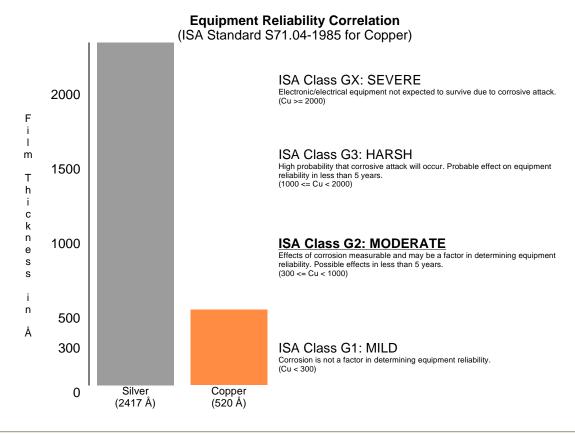
Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922 Email: purafil@purafil.com / Internet: http://www.purafil.com

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PURAFIL CCC # P68841 Analysis Results

Corrosion Film Composition Projections				Gold Coupon -
	30 <u>Days</u>	1 Year	<u>5 Year</u>	Magnified 20x
Copper Films	_		_	
Cu ₂ S	381 Å	762 Å	1304 Å	
Cu ₂ O	139 Å	278 Å	476 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals Silver Films	520 Å	1040 Å	1780 Å	
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	2417 Å	29433 Å	147165 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	2417 Å	29433 Å	147165 Å	
Gold Pore Corrosion: Note: 1000 Å = 0.1 micron				
140tc. 1000 A = 0.1 Illicion				



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