## PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

28-May-2010

**Company:** 110508

Room Area ID: Reference #:



 Sales Order #:
 C002682

 CCC Panel #:
 P67428

 Date In:
 05-May-2010

 Date Out:
 19-May-2010

Days In Service: 14

**CCC Panel # P67428** 

ISA Class G2 Moderate

Copper Corrosion 327 Å/30 Days

Silver Corrosion 595 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67428

The electrolytic reduction analysis on Corrosion Classification Coupon #P67428 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

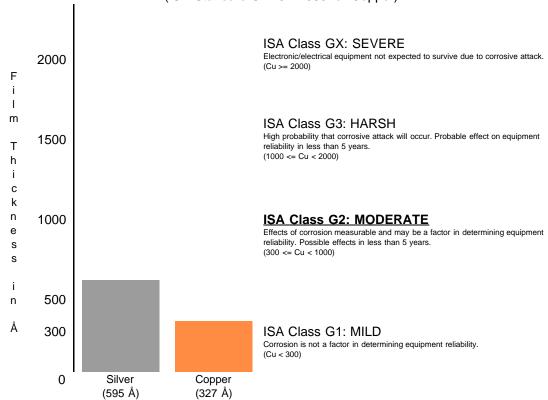
Displaying Page 1 <u>Display Page 2</u>

## PURAFIL CCC # P67428 Analysis Results

Corrosion Film Composition Projections				Gold Coupon - Magnified 20x
	<u>30 Days</u>	1 Year	<u>5 Year</u>	200
Copper Films Cu <sub>2</sub> S	196 Å	262 Å	342 Å	
Cu <sub>2</sub> O	131 Å	174 Å	228 Å	
Unknowns	0 Å	0 Å	ΟÅ	
Totals	327 Å	436 Å	570 Å	
Silver Films AgCl	o Å	0 Å	0 Å	
Ag <sub>2</sub> S	517 Å	6296 Å	31479 Å	
Unknowns	78 Å	952 Å	4761 Å	
Totals	595 Å	7248 Å	36240 Å	
Gold Pore Corrosion: Note: 1000 Å = 0.1 micron				



(ISA Standard S71.04-1985 for Copper)



Displaying Page 2 <u>Display Page 1</u>