## **PURAFIL ENVIRONMENTAL CORROSIVITY REPORT**

02-Jun-2010

mpany:	110290
om Area ID: erence #:	
0	
0	
	METAL COUPON ssification Coupon
Corrosion Class Company Address 11029	ssification Coupon
Corrosion Class Company Address Room/Area LD.	o
Corrosion Class Company Address Room/Area I.D. Date In	0 Time In: a.m. p.m.
Company Address Room/Area I.D. Date In Date Out	Time In: a.m. p.m. Time Out: a.m. p.m.
Corrosion Class Company Address Room/Area L.D. Date In Date Out Coupon # 07970	0 Time In: a.m. p.m.
Company Address Room/Area I.D. Date In Date Out	Time In: a.m. p.m. Time Out: a.m. p.m.

Sales Order #:	C002697			
CCC Panel #:	P67970 05-May-2010			
Date In:				
Date Out:	20-May-2010			
Days In Service:	15			
CCC Panel # P67970				
ISA Class GX				
Severe				
Copper Corrosion				
3851 Å/30 Days				
Silver Corrosion				
3068 Å/30 Days				
(see next page fo	r complete analysis)			



The electrolytic reduction analysis on Corrosion Classification Coupon #P67970 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 and the sulfur dioxide level should be greater than 300 ppb. Electronic/electrical equipment is not expected to survive in this environment due to corrosive attack.

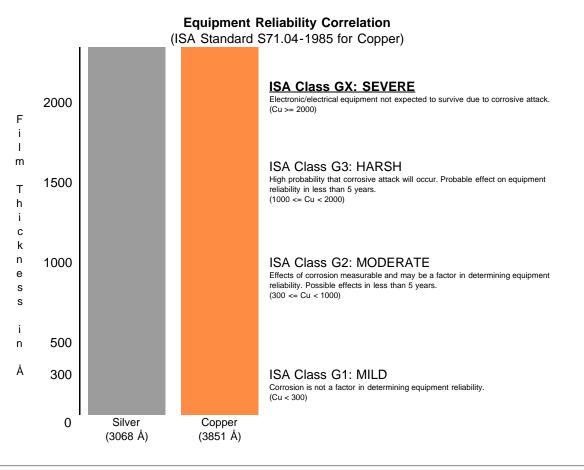
Your local representative for additional information and assistance is: Environmental Health and Eng 117 Fourth Avenue, Needham MA 02494, USA tminegishi@eheinc.com

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 # P67970 Analysis Results

	Gold Coupon - Magnified			
	Projections			20x
Connor Filmo	<u>30 Days</u>	<u>1 Year</u>	<u>5 Year</u>	
Copper Films Cu <sub>2</sub> S	2766 Å	6825 Å	15262 Å	
Cu <sub>2</sub> O	1085 Å	2677 Å	5987 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	3851 Å	9502 Å	21249 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag <sub>2</sub> S	3068 Å	37352 Å	186760 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	3068 Å	37352 Å	186760 Å	
Gold Pore Corrosion: Note: 1000 Å = 0.1 micron				



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