PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

complete analysis)

		28-May-2010		
ompany:	110534	-	Sales Order #:	C002682
			CCC Panel #:	P67420
			Date In:	08-May-2010
oom Area ID:			Date Out:	20-May-2010
eference #:			Days In Service:	12
	01		CCC Pa	nel # P67420
L				
			IJA	Class G1 Mild
				r Corrosion
	And in case of the local division of the loc		126	Å/30 Days
			Silvor	Corrosion
				Corrosion
DO NOT TO	UCH METAL COUPON		196 /	Å/30 Days
	and a state of the			Å/30 Days
	UCH METAL COUPON Classification Coupon		196 /	Å/30 Days
Corrosion Company	and a state of the		196 /	Å/30 Days
Corrosion	Classification Coupon		196 /	Å/30 Days
Corrosion Company Address 11	Classification Coupon		196 /	Å/30 Days
Corrosion Company Address 11 Room/Area I.D.	Classification Coupon 0534		196 /	Å/30 Days
Company Address 11 Room/Area I.D. Date In	Classification Coupon 0534 Time In: a.m. p.m.		196 /	Å/30 Days
Company Address 11 Room/Area I.D. Date In Date Out Coupon # 6745 Serial #	Classification Coupon 0534 Time In: a.m. p.m. Time Out: a.m. p.m. Tracking # 02682		196 /	Å/30 Days
Company Address 11 Room/Area I.D. Date In Date Out Coupon # 6745 Serial #	Classification Coupon 0534 Time In: a.m. p.m. Time Out: a.m. p.m. Tracking # 02682 ERM Preservation CIF		196 /	Å/30 Days
Company Address 11 Room/Area I.D. Date In Date Out Coupon # 7452 Serial #	Classification Coupon 0534		196 /	Å/30 Days
Company Address 11 Room/Area I.D. Date In Date Out Coupon # 6745 Serial #	Classification Coupon 0534 Time In: a.m. p.m. Time Out: a.m. p.m. Tracking # 02682 ERM Preservation CIF 2054 Weaver Way - Doraville, Georgia 30340		196 /	Å/30 Days

The electrolytic reduction analysis on Corrosion Classification Coupon #P67420 shows the presence of only very low concentrations of contaminants in the environment tested. The hydrogen sulfide level is not expected to exceed 3 ppb and the sulfur dioxide level should be less than 10 ppb. Corrosion is not a factor in determining equipment reliability in this environment.

> 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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	Gold Coupon - Magnified 20x			
	Projections			
	<u>30 Days</u>	<u>1 Year</u>	<u>5 Year</u>	
Copper Films Cu ₂ S	0 Å	0 Å	0 Å	
Cu ₂ O	126 Å	164 Å	214 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	126 Å	164 Å	214 Å	
Silver Films AgCl	0 Å	0 Å	ΟÅ	
Agei			UA	
Ag ₂ S	196 Å	2391 Å	11957 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	196 Å	2391 Å	11957 Å	
Gold Pore Corrosion: Note: 1000 Å = 0.1 micron				

PURAFIL CCC # P67420 Analysis Results

Equipment Reliability Correlation (ISA Standard S71.04-1985 for Copper) ISA Class GX: SEVERE Electronic/electrical equipment not expected to survive due to corrosive attack. 2000 (Cu >= 2000) F i T m ISA Class G3: HARSH High probability that corrosive attack will occur. Probable effect on equipment 1500 Т reliability in less than 5 years. (1000 <= Cu < 2000) h i с k n 1000 ISA Class G2: MODERATE е Effects of corrosion measurable and may be a factor in determining equipment reliability. Possible effects in less than 5 years. ($300 \le Cu \le 1000$) s s i 500 n Å 300 **ISA Class G1: MILD** Corrosion is not a factor in determining equipment reliability. (Cu < 300) 0 Silver Copper (196 Å) (126 Å)

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