

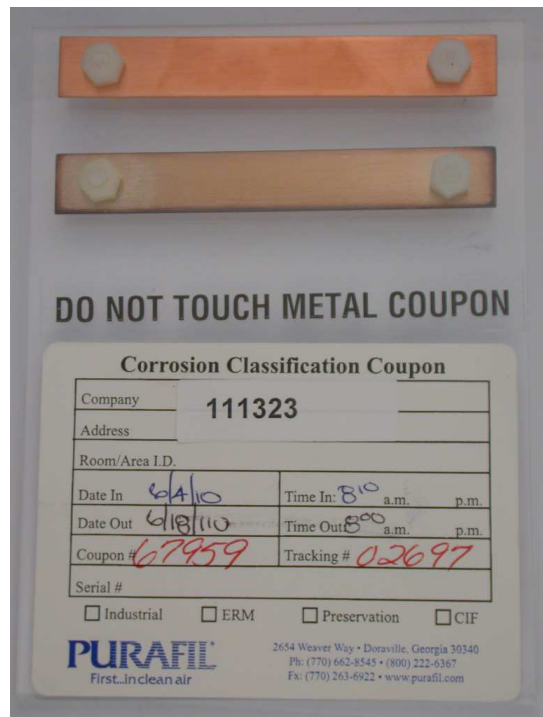
PURAFIL ENVIRONMENTAL CORROSIONITY REPORT

25-Jun-2010

Company: 111323

Sales Order #: C002697
CCC Panel #: P67959
Date In: 04-Jun-2010
Date Out: 18-Jun-2010
Days In Service: 14

Room Area ID:
Reference #:



DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company		111323	
Address			
Room/Area I.D.			
Date In: 6/4/10	Time In: 8:00 a.m.	p.m.	
Date Out: 6/18/10	Time Out: 8:00 a.m.	p.m.	
Coupon #: 67959	Tracking #: 02697		
Serial #			

☐ Industrial ☐ ERM ☐ Preservation ☐ CIF

PURAFIL
First...in clean air

2654 Weaver Way • Doraville, Georgia 30340
Ph: (770) 662-8545 • (800) 222-6367
Fx: (770) 263-6922 • www.purafil.com

CCC Panel # P67959

ISA Class G2
Moderate

Copper Corrosion
348 Å/30 Days

Silver Corrosion
670 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67959

The electrolytic reduction analysis on Corrosion Classification Coupon #P67959 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 # P67959 Analysis Results

Corrosion Film Composition				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	194 Å	259 Å	339 Å	
Unknowns	154 Å	205 Å	269 Å	
Totals	348 Å	464 Å	608 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	631 Å	7687 Å	38434 Å	
Unknowns	39 Å	476 Å	2381 Å	
Totals	670 Å	8163 Å	40815 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

Equipment Reliability Correlation
(ISA Standard S71.04-1985 for Copper)