

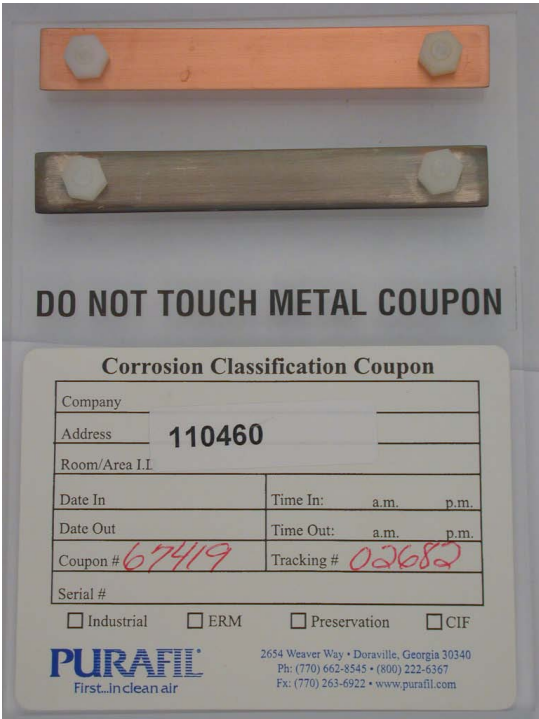
PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

28-May-2010

Company: 110460

Room Area ID:
Reference #:

Sales Order #: C002682
CCC Panel #: P67419
Date In: 06-May-2010
Date Out: 20-May-2010
Days In Service: 14



CCC Panel # P67419
ISA Class G2 Moderate
Copper Corrosion 621 Å/30 Days
Silver Corrosion 2207 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67419

The electrolytic reduction analysis on Corrosion Classification Coupon #P67419 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

PURAFIL CCC # P67419 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	489 Å	1708 Å	3819 Å	
Cu ₂ O	132 Å	461 Å	1030 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	621 Å	2169 Å	4849 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	2145 Å	26111 Å	130553 Å	
Unknowns	62 Å	756 Å	3781 Å	
Totals	2207 Å	26867 Å	134334 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

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

