

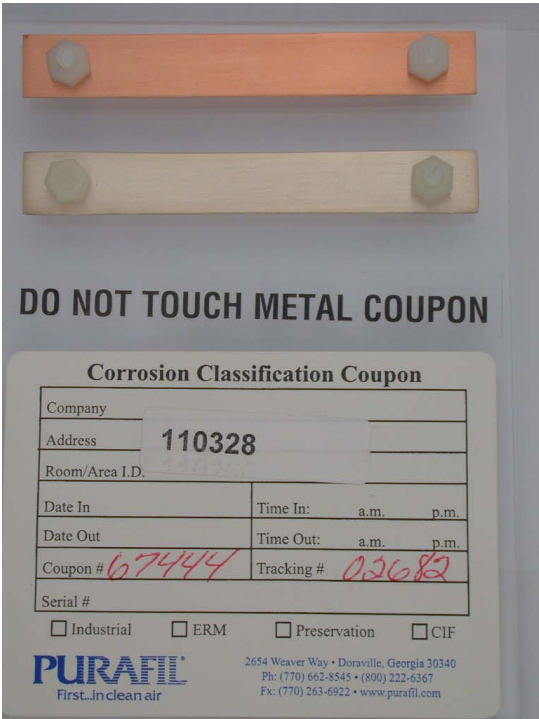
PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

28-May-2010

Company: 110328

Room Area ID:
Reference #:

Sales Order #: C002682
CCC Panel #: P67444
Date In: 06-May-2010
Date Out: 21-May-2010
Days In Service: 15



CCC Panel # P67444
ISA Class G1 Mild
Copper Corrosion 130 Å/30 Days
Silver Corrosion 213 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67444

The electrolytic reduction analysis on Corrosion Classification Coupon #P67444 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

PURAFIL CCC # P67444 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	130 Å	176 Å	230 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	130 Å	176 Å	230 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	155 Å	1890 Å	9452 Å	
Unknowns	58 Å	706 Å	3529 Å	
Totals	213 Å	2596 Å	12981 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

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

