

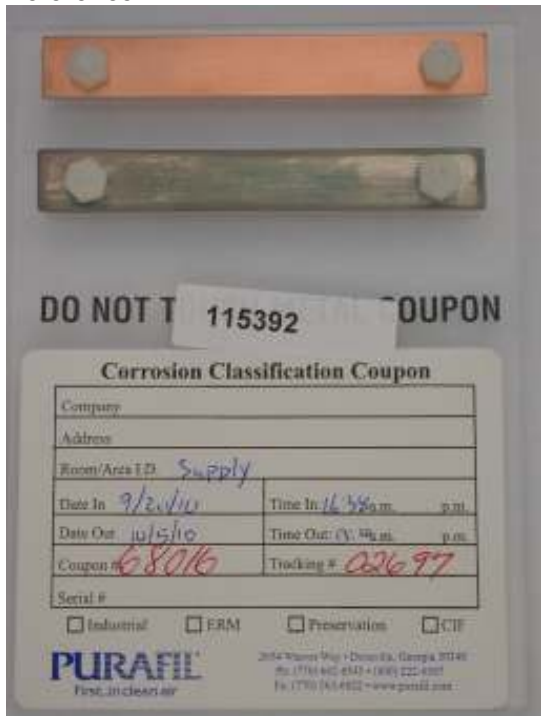
PURAFIL ENVIRONMENTAL CORROSION REPORT

Company: 115392

28-Oct-2010

Sales Order #: C002697
CCC Panel #: P68016
Date In: 20-Sep-2010
Date Out: 05-Oct-2010
Days In Service: 15

Room Area ID:
Reference #:



CCC Panel # P68016

ISA Class G2
 Moderate

Copper Corrosion
 348 Å/30 Days

Silver Corrosion
 3201 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P68016

The electrolytic reduction analysis on Corrosion Classification Coupon #P68016 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, sulfur dioxide between 10 and 100 ppb, and chlorine between 1 and 2 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 # P68016 Analysis Results

Corrosion Film Composition				Gold Coupon - Magnified 20x
	Projections			
	30 Days	1 Year	5 Year	
Copper Films				
Cu ₂ S	0 Å	0 Å	0 Å	
Cu ₂ O	211 Å	285 Å	373 Å	
Unknowns	137 Å	185 Å	241 Å	
Totals	348 Å	470 Å	614 Å	
Silver Films				
AgCl	58 Å	707 Å	3533 Å	
Ag ₂ S	3143 Å	38263 Å	191315 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	3201 Å	38970 Å	194848 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

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

