

PURAFIL ENVIRONMENTAL CORROSION REPORT

22-Oct-2010

Company: 115826

Sales Order #: C002697

CCC Panel #: P68014

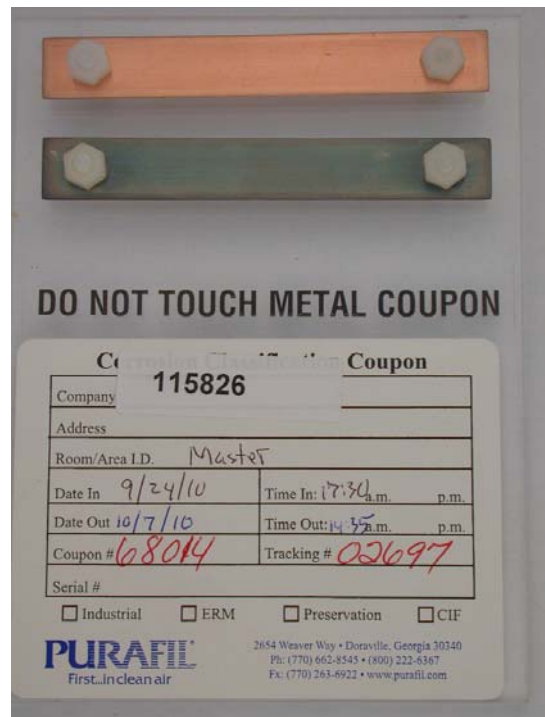
Date In: 24-Sep-2010

Date Out: 07-Oct-2010

Days In Service: 13

Room Area ID: Master

Reference #:



DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company 115826	
Address	
Room/Area I.D. Master	
Date In 9/24/10	Time In: 17:30 a.m. p.m.
Date Out 10/7/10	Time Out: 14:35 a.m. p.m.
Coupon # 68014	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 # P68014

ISA Class G2 Moderate

Copper Corrosion

349 Å/30 Days

Silver Corrosion

3885 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P68014

The electrolytic reduction analysis on Corrosion Classification Coupon #P68014 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 # P68014 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	270 Å	357 Å	466 Å	
Unknowns	79 Å	104 Å	136 Å	
Totals	349 Å	461 Å	602 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	3885 Å	47303 Å	236515 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	3885 Å	47303 Å	236515 Å	

Gold Pore Corrosion:
 Note: 1000 Å = 0.1 micron

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

