

PURAFIL ENVIRONMENTAL CORROSION REPORT

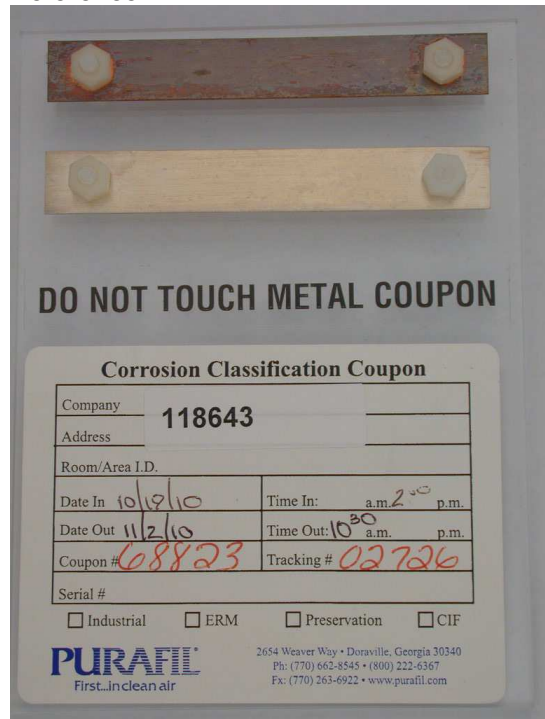
18-Nov-2010

Company: 118643

Sales Order #: C002726
CCC Panel #: P68823
Date In: 19-Oct-2010
Date Out: 02-Nov-2010
Days In Service: 14

Room/Area ID:

Reference #:



DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company 118643	
Address	
Room/Area I.D.	
Date In 10/19/10	Time In: a.m. 2:00 p.m.
Date Out 11/2/10	Time Out: 10:30 a.m. p.m.
Coupon # 68823	Tracking # 02726
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 # P68823

ISA Class GX
Severe

Copper Corrosion
3365 Å/30 Days

Silver Corrosion
365 Å/30 Days

(see next page for complete
analysis)

Summary for PURAFIL CCC # P68823

The electrolytic reduction analysis on Corrosion Classification Coupon #P68823 shows the presence of extremely high concentrations of contaminants and the possibility of high/variable humidity in the environment tested. The hydrogen sulfide level is expected to be in excess of 50 ppb, sulfur dioxide greater than 300 ppb, and chlorine greater than 10 ppb. The presence of moisture and small amounts of inorganic chlorine compounds greatly accelerates sulfide corrosion. Electronic/electrical equipment is not expected to survive in this environment due to corrosive attack.

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 # P68823 Analysis Results

Corrosion Film Composition				Gold Coupon - Magnified 20x
Copper Films	Projections			
	30 Days	1 Year	5 Year	
Cu ₂ S	0 Å	0 Å	0 Å	Silver Films
Cu ₂ O	252 Å	601 Å	1344 Å	
Unknowns	3113 Å	7420 Å	16592 Å	
Totals	3365 Å	8021 Å	17936 Å	
AgCl	124 Å	1514 Å	7570 Å	Gold Pore Corrosion:
Ag ₂ S	241 Å	2928 Å	14641 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	365 Å	4442 Å	22211 Å	
Note: 1000 Å = 0.1 micron				

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

