

PURAFIL ENVIRONMENTAL CORROSION REPORT

22-Dec-2010

Company: 116803

Sales Order #: C002726

CCC Panel #: P68779

Date In: 16-Nov-2010

Date Out: 30-Nov-2010

Days In Service: 14

Room/Area ID:

Reference #:



DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon	
Company	116803
Address	
Room/Area I.D.	
Date In	11/16/10
Time In	11:45 a.m. p.m.
Date Out	11/30/10
Time Out	a.m. 12:10 p.m.
Coupon #	68779
Tracking #	02726
Serial #	
<input type="checkbox"/> Industrial <input type="checkbox"/> ERM <input type="checkbox"/> Preservation <input type="checkbox"/> CIF	
PURAFIL First...in clean air	
<small>2654 Weaver Way • Doraville, Georgia 30340 Ph: (770) 662-8545 • (800) 222-6367 Ex: (770) 263-6922 • www.purafil.com</small>	

CCC Panel # P68779

ISA Class G3 Harsh

Copper Corrosion 1445 Å/30 Days

Silver Corrosion 354 Å/30 Days
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(see next page for complete analysis)

Summary for PURAFIL CCC # P68779

The electrolytic reduction analysis on Corrosion Classification Coupon #P68779 shows the presence of high concentrations of contaminants and high/variable humidity in the environment tested. The hydrogen sulfide level is expected to range between 10 and 50 ppb, sulfur dioxide between 100 and 300 ppb, and chlorine between 2 and 10 ppb. The presence of moisture and small amounts of inorganic chlorine compounds greatly accelerates sulfide corrosion. There is a high probability that equipment reliability will be adversely affected 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 # P68779 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	191 Å	668 Å	1493 Å	
Unknowns	1254 Å	4375 Å	9782 Å	
Totals	1445 Å	5043 Å	11275 Å	
Silver Films				
AgCl	93 Å	1136 Å	5678 Å	
Ag ₂ S	261 Å	3172 Å	15862 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	354 Å	4308 Å	21540 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

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

