

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

20-Dec-2010

Company: 116772

Sales Order #: C002726
CCC Panel #: P68745
Date In: 15-Nov-2010
Date Out: 29-Nov-2010
Days In Service: 14

Room/Area ID:
Reference #:

DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company		116772	
Address			
Room/Area I.D.			
Date In	11/15/10	Time In:	a.m. 10 ⁰⁵ p.m.
Date Out	11/29/10	Time Out:	a.m. 11 ⁴⁰ p.m.
Coupon #	68745	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
Ex: (770) 263-6922 • www.purafil.com

CCC Panel # P68745

ISA Class G2
Moderate

Copper Corrosion
587 Å/30 Days

Silver Corrosion
1644 Å/30 Days

(see next page for complete
analysis)

Summary for PURAFIL CCC # P68745

The electrolytic reduction analysis on Corrosion Classification Coupon #P68745 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 # P68745 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	467 Å	1630 Å	3646 Å	
Cu ₂ O	120 Å	417 Å	933 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	587 Å	2047 Å	4579 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	1644 Å	20010 Å	100050 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	1644 Å	20010 Å	100050 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

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

