

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

11-Nov-2010

Company: 118516

Sales Order #: C002726
CCC Panel #: P68799
Date In: 04-Oct-2010
Date Out: 19-Oct-2010
Days In Service: 15

Room/Area ID:

Reference #:



DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon	
Company	118516
Address	
Room/Area I.D.	
Date In	10/4/10
Time In	a.m. 16 ⁵⁰ p.m.
Date Out	10/19/10
Time Out	a.m. 16 ⁰⁵ p.m.
Coupon	68799
Tracking #	02726
Serial #	
☐ Industrial ☐ ERM ☐ Preservation ☐ CIF	

PURAFIL
First...in clean air

2654 Weaver Way • Doraville, Georgia 30340
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CCC Panel # P68799

ISA Class G2
Moderate

Copper Corrosion
663 Å/30 Days

Silver Corrosion
3367 Å/30 Days

(see next page for complete
analysis)

Summary for PURAFIL CCC # P68799

The electrolytic reduction analysis on Corrosion Classification Coupon #P68799 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

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PURAFIL CCC # P68799 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	376 Å	1313 Å	2935 Å	
Cu ₂ O	111 Å	387 Å	866 Å	
Unknowns	176 Å	615 Å	1376 Å	
Totals	663 Å	2315 Å	5177 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	3367 Å	40996 Å	204980 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	3367 Å	40996 Å	204980 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

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

