

PURAFIL ENVIRONMENTAL CORROSION REPORT

21-Oct-2010

Company: 116150

Sales Order #: C002697

CCC Panel #: P68024

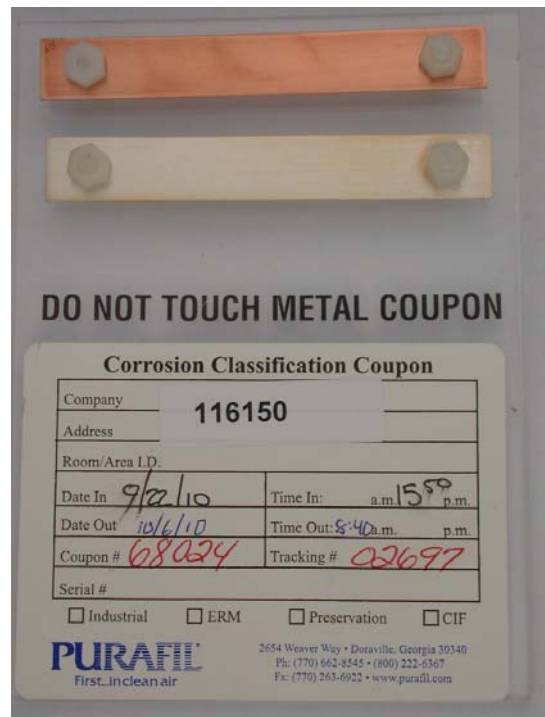
Date In: 22-Sep-2010

Date Out: 06-Oct-2010

Days In Service: 14

Room Area ID:

Reference #:



DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company		116150	
Address			
Room/Area I.D.			
Date In	9/22/10	Time In:	a.m. 15 ⁵⁹ p.m.
Date Out	10/6/10	Time Out:	5:40 a.m. p.m.
Coupon #	68024	Tracking #	02697
Serial #			
<input type="checkbox"/> Industrial <input type="checkbox"/> ERM <input type="checkbox"/> Preservation <input type="checkbox"/> CIF			

PURAFIL
First. in clean air

2654 Weaver Way • Doraville, Georgia 30340
Ph: (770) 662-8545 • (800) 222-6367
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CCC Panel # P68024
ISA Class G2
Moderate

Copper Corrosion
336 Å/30 Days
Silver Corrosion
481 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P68024

The electrolytic reduction analysis on Corrosion Classification Coupon #P68024 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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Email: purafil@purafil.com / Internet: http://www.purafil.com

Displaying Page 1 [Display Page 2](#)

PURAFIL CCC # P68024 Analysis Results

	Corrosion Film Composition Projections			Gold Coupon - Magnified 20x
	30 Days	1 Year	5 Year	
Copper Films				
Cu ₂ S	0 Å	0 Å	0 Å	
Cu ₂ O	285 Å	381 Å	498 Å	
Unknowns	51 Å	69 Å	90 Å	
Totals	336 Å	450 Å	588 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	481 Å	5857 Å	29283 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	481 Å	5857 Å	29283 Å	

Gold Pore Corrosion:
Note: 1000 Å = 0.1 micron

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

