

PURAFIL ENVIRONMENTAL CORROSION REPORT

28-Oct-2010

Company: 115825

Sales Order #: C002697

CCC Panel #: P67979

Room Area ID: LR

Date In: 24-Sep-2010

Date Out: 07-Oct-2010

Reference #:

Days In Service: 13



DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company 115825	
Address _____	
Room/Area ID LR	
Date In 9/24/10	Time In 12:30 a.m. p.m.
Date Out 10/7/10	Time Out 11:25 a.m. p.m.
Coupon # P67979	Tracking # 02697
Serial # _____	

Industrial
 ERM
 Preservation
 CH

PURAFIL
 First In Clean Air

2654 Weaver Way, Doraville, Georgia 30340
 Tel: (770) 662-8545 • (404) 222-0387
 Fax: (770) 263-6922 • www.purafil.com

CCC Panel # P67979

ISA Class G2
Moderate

Copper Corrosion
508 Å/30 Days

Silver Corrosion
3022 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67979

The electrolytic reduction analysis on Corrosion Classification Coupon #P67979 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

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PURAFIL CCC # P67979 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	179 Å	358 Å	612 Å	
Unknowns	329 Å	659 Å	1127 Å	
Totals	508 Å	1017 Å	1739 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	3022 Å	36791 Å	183956 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	3022 Å	36791 Å	183956 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

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

