PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

28-May-2010

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Company Address Room/Area I.D.	sion Classification Coupon 110386
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Corro Company Address Room/Area I.D. Date In Date Out	sion Classification Coupon 110386 Time In: a.m. p.m. Time Out: a.m. p.m.
Corro Company Address Room/Area I.D. Date In Date Out Coupon #	sion Classification Coupon 110386 Time In: a.m. p.m. Time Out: a.m. p.m.
Corro Company Address Room/Area I.D. Date In Date Out Coupon #	sion Classification Coupon 110386 Time In: a.m. p.m. Time Out: a.m. p.m. 74490 Tracking # 02082

Sales Order #:	C002682				
CCC Panel #:	P67440				
Date In:	08-May-2010				
Date Out:	21-May-2010				
Days In Service:	13				
CCC Panel # P67440					
ISA Class G1					
Mild					
Copper Corrosion					
147 Å/30 Days					
	-				
Silver Corrosion					
473 Å/30 Days					
(see next page fo	or complete analysis)				



The electrolytic reduction analysis on Corrosion Classification Coupon #P67440 shows the presence of only very low concentrations of contaminants in the environment tested. The hydrogen sulfide level is not expected to exceed 3 ppb and the sulfur dioxide level should be less than 10 ppb. During the test period, corrosion, as shown by the copper coupon, is not a factor in determining equipment reliability.

Please note: Copper's reactivity is sensitive to temperature and relative humidity and can therefore exhibit seasonal variation. For example, below 30% relative humidity (typical for heated indoor air in winter), copper readings will be dramatically reduced. However, silver's reactivity is not affected by temperature and relative humidity. Due to the elevated level of film growth on the silver coupon, corrosion may be a factor in determining equipment reliability; continued monitoring is recommended.

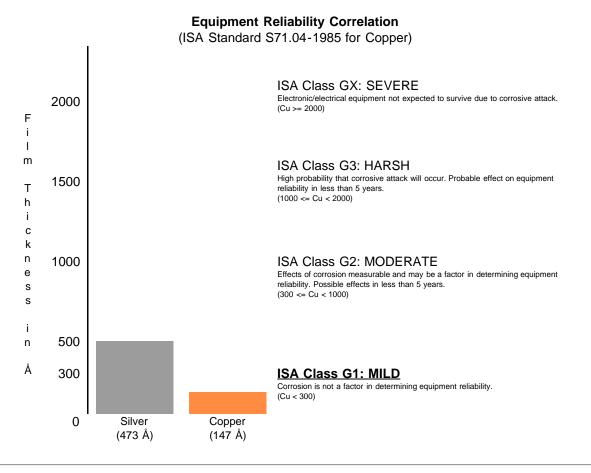
> Your local representative for additional information and assistance is: Environmental Health and Eng 117 Fourth Avenue, Needham MA 02494, USA tminegishi@eheinc.com

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PURAFIL	CCC #	P67440	Analysis	Results
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	Gold Coupon - Magnified 20x			
	<u>30 Days</u>	rojections <u>1 Year</u>	<u>5 Year</u>	207
Copper Films				
Cu ₂ S	0 Å	0 Å	0 Å	
Cu ₂ O	147 Å	194 Å	253 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	147 Å	194 Å	253 Å	
Silver Films				
AgCI	0 Å	0 Å	0 Å	
Ag ₂ S	473 Å	5755 Å	28776 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	473 Å	5755 Å	28776 Å	
Gold Pore Corrosion: Note: 1000 Å = 0.1 micron				



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