		10-Feb-2011		
Company:	US EPA SESD Greater Faith		Sales Order #: CCC Panel #: Date In:	C002863 P72439 24 Jap 2011
Room/Area ID: Reference #:	YB6C 02		Date Out: Days In Service	28-Jan-2011 :: 4
- Lagonania			CCC Par ISA (H	iel # P72439 Class G3 Iarsh
DO NOT TOUCH M	IETAL COUPON			
Rooman Correster	All AL CAN		Copper 1607 / Silver (2588 /	Corrosion V30 Days Corrosion V30 Days
Sent 4 Discussion DERM PURAFIL First sectors and			(see next pa and	ge for complete alysis)

Summary for PURAFIL CCC # P72439

The electrolytic reduction analysis on Corrosion Classification Coupon #P72439 shows the presence of high concentrations of contaminants in the environment tested. The hydrogen sulfide level is expected to range between 10 and 50 ppb and the sulfur dioxide level between 100 and 300 ppb. There is a high probability that equipment reliability will be adversely affected by corrosive attack.

Your local representative for additional information and assistance is: Purafil, Inc./Chris Moon 2654 Weaver Way, Doraville GA 30340, USA Chris _Moon@Purafil.com 770-662-8545

Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922 Email: purafil@purafil.com / Internet: http://www.purafil.com

Co	Gold Coupon -			
	P	rojections		Magnified 20x
	30 Days	1 Year	<u>5 Year</u>	·····g·····
Copper Films				
Cu ₂ S	0 Å	0 Å	0 Å	
Cu ₂ O	716 Å	2499 Å	5587 Å	
Unknowns	891 Å	3108 Å	6950 Å	
Totals	1607 Å	5607 Å	12537 Å	
Silver Films				
AgCI	0 Å	0 Å	0 Å	
Ag ₂ S	2105 Å	25622 Å	128112 Å	
Unknowns	483 Å	5882 Å	29408 Å	
Totals	2588 Å	31504 Å	157520 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

PURAFIL CCC # P72439 Analysis Results



 10-Feb-2011
 Sa

 Company:
 US EPA SESD Yellow Bluff Health Ctr / Powell Residence
 Sa

 Room/Area ID:
 YB7C092

 Reference #:
 Data

 Do NOT TOUCH METAL COUPON
 Corrosion Classification Coupon

 Corrosion Classification Coupon
 Corrosion Classification Coupon

 Sales Order #:
 C002863

 CCC Panel #:
 P72429

 Date In:
 24-Jan-2011

 Date Out:
 28-Jan-2011

 Days In Service:
 4

CCC Panel # P72429 ISA Class G2 Moderate

> Copper Corrosion 306 Å/30 Days

Silver Corrosion 842 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P72429

The electrolytic reduction analysis on Corrosion Classification Coupon #P72429 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: Purafil, Inc./Chris Moon 2654 Weaver Way, Doraville GA 30340, USA Chris _Moon@Purafil.com 770-662-8545

Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922 Email: purafil@purafil.com / Internet: http://www.purafil.com

Co	Gold Coupon -			
	P	rojections		Magnified 20x
	<u>30 Days</u>	1 Year	5 Year	
Copper Films				
Cu ₂ S	0 Å	0 Å	ΟÅ	
Cu ₂ O	179 Å	194 Å	254 Å	
Unknowns	127 Å	138 Å	181 Å	7
Totals	306 Å	332 Å	435 Å	
Silver Films				
AgCi	ΟÅ	ΟÂ	οA	
Ag ₂ S	842 Å	10249 Å	51245 Å	-
Unknowns	ΟÅ	0 Å	0 Å	
Totals	842 Å	10249 Å	51245 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

PURAFIL CCC # P72429 Analysis Results



Company:

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

10-Feb-2011

ISA Class G2

Copper Corrosion 364 Å/30 Days

Silver Corrosion 1193 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P72428

The electrolytic reduction analysis on Corrosion Classification Coupon #P72428 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: Purafil, Inc./Chris Moon 2654 Weaver Way, Doraville GA 30340, USA Chris Moon@Purafil.com 770-662-8545

Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922 Email: purafil@purafil.com / Internet: http://www.purafil.com

> **Displaying Page 1 Display Page 2**

US EPA SESD Yellow Bliff Health Ctr / Powell Residence

Room/Area ID: YB7C02

The second se				
	NIL ME AND	Ref Martin	14.19 A	
March Land		1.78.00.00	Net of the	
DO NOT	TOUCH	RACTAL		ON
1111 1 1449 5				1 2 2 4 4
DUNUI	IDDUIT	WEIAL	CUUP	UN
Corro	sion Class	Hication Co	GUUP	UN
Corro	sion Classi	HE IAL	GUUP	MU T
Corro	sion Classi	iffication Co SESD HealthCly	upon	
Corro Corro Address Jello Record ton 1.D	sion Classi EPA W BL. CL Y B 7 C	HE IAL	oupon	
Corro Corro Address (15) Reconstraints 17: Date In OV/2	sion Class EP4 <u>4 84,14</u> ¥ 872 4 64	ification Co SESD Health Chy P2 Tom July So	oupon	
Corro Lurapace (1) Antipus (1) Stormanna 1) Paie In (1) Decour (1)	sion Class EP4 384,00 484,00 484,00 494 494 494 494 494 494 494 4	He IAL Heation Co SESD Heatth Chy P2 Time Int So Time Oct 9 Heb	COUP	
Corro Campan (1) Antipus (1) Boomphim 1) Part In OV/2 Dres Can (1) Compon	sion Class EPA <u>84,00</u> <u>737</u> 4/a 4/a 64 88	HE TAL		
Corro Campan (1) Antipus (1) Boomphim 1) Paie In 0/2 Thes On (1) Senil 1	sion Classi EPA 4 84, 64 4 8 7 0 4/a 4/a 4/a	INTELIAL Iffication Co SESD Headth Coy D2 Trans July 30 Trans July 30 Trans Todd 199 Trans Todd 199 T		

Sales Order #:	C002863
CCC Panel #:	P72428
Date In:	24-Jan-2011
Date Out:	28-Jan-2011
Days In Service:	4

CCC Panel # P72428

Moderate

Cor	Gold Coupon -			
	P	rojections		Magnified 20x
	<u>30 Days</u>	1 Year	5 Year	
Copper Films				
Cu ₂ S	0 Å	0 Å	0 Å	
Cu ₂ O	173 Å	187 Å	245 Å	
Unknowns	191 Å	207 Å	271 Å	
Totals	364 Å	394 Å	516 Å	11
Silver Films				
AgCI	0 Å	0 Å	ΟÅ	
Ag ₂ S	1193 Å	14519 Å	72597 Å	
Unknowns	0 Å	οÅ	0 Å	
Totals	1193 Å	14519 Å	72597 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

PURAFIL CCC # P72428 Analysis Results



CCC - P72434

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

		10-Feb-2011		
Company:	US EPA SESD Yellow Bluff Town Hall		Sales Order #: CCC Panel #: Date In:	C002863 P72434 24- Jap-2011
Room/Area ID: Reference #:	YBAC02		Date Out: Days In Service	28-Jan-2011 : 4
			CCC Pan	el # P72434
			ISA C Mo	Class G2 derate
DO NOT TOUCH	METAL COUPON		×	
Kingur USEPA Adams Zellan A Butter Amar BA	SCSO BLAFF Town HALL CA2		Copper 388 Å	Corrosion /30 Days
1540 011/28/11 Conpens 72/34	Time Saffield and		Silver (1228 Å	Corrosion /30 Days
Distanti Dram PURAFIE	CT		(see next pa ana	ge for complete alysis)
Fare, In close with				

Summary for PURAFIL CCC # P72434

The electrolytic reduction analysis on Corrosion Classification Coupon #P72434 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: Purafil, Inc./Chris Moon 2654 Weaver Way, Doraville GA 30340, USA Chris _Moon@Purafil.com 770-662-8545

Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922 Email: purafil@purafil.com / Internet: http://www.purafil.com

	Gold Coupon - Magnified 20x			
	<u>30 Days</u>	<u>1 Year</u>	5 Year	
Copper Films				
Cu ₂ S	ΟÅ	οÅ	0 Å	
Cu ₂ O	218 Å	236 Å	308 Å	
Unknowns	170 Å	184 Å	241 Å	
Totals	388 Å	420 Å	549 Å	
Silver Films				
AgCl	0 Å	ΟÅ	0 Å	
Ag ₂ S	1228 Å	14946 Å	74732 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	1228 Å	14946 Å	74732 Å	
Gold Pore Corrosion: Note: 1000 Å = 0.1 micron				



Displaying Page 2 Display Page 1

http://notes.purafil.com/me4n/ccc.nsf/rUID12/u77D8003F6C3B?open&Page2

7/20/2011

Page 1 of 1

₹.,

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

		10-Feb-2011		
Company:	US EPA SESD Mt. Pleasent Miss Church		Sales Order #: CCC Panel #: Date In:	C002863 P72426 24 Jap 2011
Room/Area ID: Reference #:	YB4C02		Date III. Date Out: Days In Service	28-Jan-2011 28-Jan-2011 : 4
			CCC Pan ISA C	el # P72426 Class G1 Mild
DO NOT TOUCH	METAL COUPON			
Company US 2714 Address Mt Plea Bartin Area (D. 784) Dart II. 1/24/11 Bart Set. 1/24/11 Coupone 1/24/11	SESD sent Mes Cherth C & Z Tree 105 - 22 (2) Tree 009 - 36 (2) Tree 009 - 36 (2)		Copper 147 Å Silver 0 631 Å	Corrosion /30 Days Corrosion /30 Days
	Printervation EKIB		(see next pa ana	ge for complete alysis)
free inclemate	Summary fo	or PURAFIL CCC # P72	2426	

The electrolytic reduction analysis on Corrosion Classification Coupon #P72426 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: Purafil, Inc./Chris Moon 2654 Weaver Way, Doraville GA 30340, USA Chris _Moon@Purafil.com 770-662-8545

Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922 Email: purafil@purafil.com / Internet: http://www.purafil.com

Displaying Page 1 Display Page 2

http://notes.purafil.com/me4n/ccc.nsf/rUID12/u77D8003F6C0F

fr.

PURAFIL CCC # P72426 Analysis Results

	Gold Coupon - Magnified 20x			
	<u>30 Days</u>	<u>1 Year</u>	5 Year	inaginited zex
Copper Films				
Cu ₂ S	0 Å	0 Å	0 Å	
Cu ₂ O	147 Å	160 Å	209 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	147 Å	160 Å	209 Å	
Silver Films				
AgCl	0 Å	0 Å	οÅ	
Ag ₂ S	631 Å	7687 Å	38434 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	631 Å	7687 Å	38434 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				





		10-Feb-2011		
Company:	US EPA SESD Williams Social Center		Sales Order #: CCC Panel #:	C002863 P72430 24 Jan 2011
Room/Area ID: Reference #:	YB2C 092W		Date Out: Days In Service	28-Jan-2011 28 Jan-2011 :: 4
K AN	1 D		CCC Par	nel # P72430
	HALLING TH		ISA (Mo	Class G2 derate
DO NOT TOUCH	METAL COUPON			
Region US EPA	SESO Social Center 092 W		Copper 842 Å	Corrosion /30 Days
Denala 1/24/11 Tear Cod/24/11	Time Los Para an		Silver 719 Å	Corrosion /30 Days
Salute Discourse CERM	Protervasion CIT		(see next pa an	ge for complete alysis)
PURAFIE				
	Summary	or PURAEL CCC # P7243	n	

CCC # P/2430

The electrolytic reduction analysis on Corrosion Classification Coupon #P72430 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: Purafil, Inc./Chris Moon 2654 Weaver Way, Doraville GA 30340, USA Chris Moon@Purafil.com 770-662-8545

Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922 Email: purafil@purafil.com / Internet: http://www.purafil.com



Cor	rosion Film Compo	osition		Gold Coupon -
	P	rojections		Magnified 20x
	<u>30 Days</u>	<u>1 Year</u>	<u>5 Year</u>	j
Copper Films	-			
Cu ₂ S	375 Å	616 Å	1053 Å	
Cu ₂ O	170 Å	280 Å	478 Å	
Unknowns	297 Å	488 Å	835 Å	
Totals	842 Å	1384 Å	2366 Å	
Silver Films				
AgCl	ΟÅ	0 Å	ΟÅ	
Ag ₂ S	719 Å	8754 Å	43772 Å	
Unknowns	0 Å	0 Å	ΟÅ	
Totals	719 Å	8754 Å	43772 Å	
Sold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

PURAFIL CCC # P72430 Analysis Results





		10-Feb-2011		
Company:	US EPA SESD St. Lewis Church		Sales Order #: CCC Panel #: Date In:	C002863 P72441 24-Jan-2011
Room/Area ID: Reference #:	YB1C02		Date Out: Days In Service	28-Jan-2011 : 4
			CCC Pan ISA C	el # P72441 Class G1 Mild
DO NOT TOUCI	H METAL COUPON			
Territory USEPA Adding St. Lever Records to VB/ G Dates of 1/24/11 Date Dir. 1/24/11	SESP S Church CO 2 Powlet P2 - Con time Out Defend and		Copper 230 Å Silver (491 Å	Corrosion /30 Days Corrosion /30 Days
Annale Indestine PURAFIL Transcription	Tractions # 200 4 (20)		(see next pa ana	ge for complete alysis)
THE REAL PROPERTY OF THE				

Summary for PURAFIL CCC # P72441

The electrolytic reduction analysis on Corrosion Classification Coupon #P72441 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: Purafil, Inc./Chris Moon 2654 Weaver Way, Doraville GA 30340, USA Chris _Moon@Purafil.com 770-662-8545

Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922 Email: purafil@purafil.com / Internet: http://www.purafil.com

Cor	rosion Film Compo	osition		Gold Coupon
	Pi	rojections		Magnified 20x
	30 Days	<u>1 Year</u>	<u>5 Year</u>	
Copper Films				
Cu ₂ S	ΟÅ	0 Å	οÅ	-
Cu ₂ O	230 Å	250 Å	327 Å	
Unknowns	ΟÅ	0 A	οÅ	
Totals	230 Å	250 A	327 Å	
ilver Films				
AgCI	ΟÅ	0 Å	0 Å	
Ag ₂ S	491 Å	5979 Å	29893 Å	
Unknowns	οÅ	0 Å	0 Å	
Totals	491 Å	5979 Å	29893 Å	
Sold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

PURAFIL CCC # P72441 Analysis Results



Displaying Page 2 Display Page 1

http://notes.purafil.com/me4n/ccc.nsf/rUID12/u783300479858?open&Page2

×

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

		10-Feb-2011			
Company:	US EPA SESD Roland Copper State Park		Sales Order #: CCC Panel #: Date In:	C002863 P72433 24- Jap-2011	
Room/Area ID: Reference #:	YBBC02		Date Out: Days In Service	28-Jan-2011 : 4	
Company of	and the second se		CCC Pan ISA C	el # P72433 Class G1 Mild	
DO NOT TOUCH	METAL COUPON			-	
Antonio US CPA Antonio Roland S Basentani ID. YBL Basentani ID. YBL Basentani ID. YBL Day Ont. 1-23-11	time in am 10/5 pm		Copper 230 Å Silver (631 Å	Corrosion /30 Days Corrosion /30 Days	
Course yor yor yor you	Trestour * C X C C		(see next pa ana	ge for complete alysis)	

Summary for PURAFIL CCC # P72433

The electrolytic reduction analysis on Corrosion Classification Coupon #P72433 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: Purafil, Inc./Chris Moon 2654 Weaver Way, Doraville GA 30340, USA Chris _Moon@Purafil.com 770-662-8545

Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922 Email: purafil@purafil.com / Internet: http://www.purafil.com

Displaying Page 1 Display Page 2

http://notes.purafil.com/me4n/ccc.nsf/rUID12/u77D8003F6C36

.....

	Corrosion Film Composition Projections			Gold Coupon - Magnified 20x
	<u>30 Days</u>	<u>1 Year</u>	5 Year	g
Copper Films				
Cu ₂ S	0 Å	0 A	0 Å	
Cu ₂ O	230 Å	250 Å	327 Å	
Unknowns	0 Å	0 Å	ΟÅ	
Totals	230 Å	250 Å	327 Å	
Silver Films				
AgCl	0 Å	0 Å	0 A	
Ag ₂ S	631 Å	7687 Å	38434 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	631 Å	7687 Å	38434 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

PURAFIL CCC # P72433 Analysis Results



CCC - P72437

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

		10-Feb-2011		
Company:	US EPA SESD Blank		Sales Order #: CCC Panel #: Date In:	C002863 P72437 24- Jap-2011
Room/Area ID: Reference #:	YBEC02		Date Out: Days In Service	28-Jan-2011 : 4
			CCC Par	nel # P72437
-			ISA C Mo	Class G2 derate
and the second se				9
DO NOT TOUCH Corresion C	I METAL COUPON			
Company USEP Address BLAR Room Area LD Y B	A-SCSQ. K ZECQ2		Copper 300 Å	Corrosion /30 Days
1011-10-1/24/11 Deserve 1/24/11 Carpon # 70437	Tingin V. Con Ga Ting Out P. Con and Ting Out P. Con and Ting Out P. Con		Silver 421 Å	Corrosion /30 Days
	M Prominen Cos		(see next pa ana	ge for complete alysis)
Finutickanaa	Heroffer Har and provide standards			

Summary for PURAFIL CCC # P72437

The electrolytic reduction analysis on Corrosion Classification Coupon #P72437 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: Purafil, Inc./Chris Moon 2654 Weaver Way, Doraville GA 30340, USA Chris _Moon@Purafil.com 770-662-8545

Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922 Email: purafil@purafil.com / Internet: http://www.purafil.com

	Corrosion Film Comp	osition Projections		Gold Coupon - Magnified 20x
	30 Days	<u>1 Year</u>	<u>5 Year</u>	
Copper Films				
Cu ₂ S	0 Å	ΟÅ	0 Å	
Cu ₂ O	77 Å	83 Å	109 Å	
Unknowns	223 Å	242 Å	316 Å	
Totals	300 Å	325 Å	425 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	421 Å	5124 Å	25622 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	421 Å	5124 Å	25622 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

PURAFIL CCC # P72437 Analysis Results





Page 1 of 1

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

		10-Feb-2011		
Company:	US EPA SESD William Social Center		Sales Order #: CCC Panel #:	C002863 P72431 24- Iop 2011
Room/Area ID: Reference #:	YB2C02D		Date Out: Days In Service:	28-Jan-2011 : 4
			CCC Pan	el # P72431
			ISA C	lass G1 /ild
DO NOT TOUCH M	NETAL COUPON			
Norma Williams Normana tar 782C	Simil Cater 920 Jones		Copper 299 Å/	Corrosion 30 Days
Dura Dur 1/24/11 Dura Dur 1/25/11 Compart 7243/	time to 1 Ann on the control of a participation of the control of the the control of the control		Silver 0 659 Å/	Corrosion 30 Days
Tadevaset EXM			(see next pag ana	ge for complete lysis)
PURAFIL				

Summary for PURAFIL CCC # P72431

The electrolytic reduction analysis on Corrosion Classification Coupon #P72431 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: Purafil, Inc./Chris Moon 2654 Weaver Way, Doraville GA 30340, USA Chris _Moon@Purafil.com 770-662-8545

Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922 Email: purafil@purafil.com / Internet: http://www.purafil.com



Corrosion Film Composition			Gold Coupon -	
		rojections		Magnified 20x
0	30 Days	1 Year	5 Year	-
Copper Films	- 8		_	
Cu ₂ S	0 A	0 A	0 Å	
Cu ₂ O	230 Å	250 Å	327 Å	
Unknowns	69 Å	75 Å	98 Å	
Totals	299 Å	325 Å	425 Å	
Silver Films			.2071	
AgCI	ΟÅ	0 Å	0 Å	
Ag ₂ S	659 Å	8028 Å	40142 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	659 Å	8028 Å	40142 Å	
Gold Pore Corrosion: Note: 1000 Å = 0.1 micron				

PURAFIL CCC # P72431 Analysis Results

