

Test Report

Report No. ECL01H020258001

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Applicant SUZHOU XILIN OPTOELECTRONIC TECHNOLOGY INDUSTRY CO.,LTD

Address NO.8 XINGZHA ROAD, LAOZHA AREA, FUQIAO TOWN, TAICANG CITY, JIANGSU PROVINCE

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client

Sample Name PET Protective film

Color transparent

Material PET

Client Reference Information Please refer to page 8-10

Sample Received Date Apr. 13, 2016

Testing Period Apr. 13, 2016 to Apr. 19, 2016

Test Requested As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs), Phthalates(DBP, BBP, DEHP, DIBP), Fluorine(F), Chlorine(Cl), Bromine(Br), Iodine(I), Antimony(Sb), Beryllium(Be), Perfluorooctane Sulfonates(PFOS), Perfluorooctanoic Acid(PFOA), Polyvinyl Chloride (PVC) in the submitted sample(s).

Test Method Please refer to the following page(s).

Test Result(s) Please refer to the following page(s).



Su Hongwei
Su Hongwei

Senior Laboratory Manager

Centre Testing International Pinbiao (Shanghai) Co., Ltd.
Report Seal

Reviewed by

Taoying

Date

Apr. 19, 2016

No. R188384695

No.1996,Xinjinqiao Road, Pudong New District,Shanghai,China

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Test Method

Test Item(s)	Test Method	Measured Equipment(s)
Lead (Pb)	IEC 62321-5:2013 Ed.1.0	ICP-OES
Cadmium (Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES
Mercury (Hg)	IEC 62321-4:2013 Ed.1.0	ICP-OES
Hexavalent Chromium(Cr(VI))	IEC 62321:2008 Ed.1 Annex C	UV-Vis
Polybrominated Biphenyls(PBBs)	IEC 62321-6:2015	GC-MS
Polybrominated Diphenyl Ethers(PBDEs)	IEC 62321-6:2015	GC-MS
Phthalates(DBP, BBP, DEHP, DIBP)	Refer to EN 14372:2004(E)	GC-MS
Fluorine(F)	Refer to BS EN 14582:2007	IC
Chlorine(Cl)	Refer to BS EN 14582:2007	IC
Bromine(Br)	Refer to BS EN 14582:2007	IC
Iodine(I)	Refer to BS EN 14582:2007	IC
Perfluorooctane Sulfonates(PFOS)	Refer to US EPA 3550C:2007 & US EPA 8321B:2007	LC-MS-MS
Perfluorooctanoic Acid(PFOA)	Refer to US EPA 3550C:2007 & US EPA 8321B:2007	LC-MS-MS
Polyvinyl Chloride (PVC)	/	FT-IR
Antimony(Sb)	Refer to US EPA 3052:1996 & US EPA 6010C:2007	ICP-OES
Beryllium(Be)	Refer to US EPA 3052:1996 & US EPA 6010C:2007	ICP-OES

Test Result(s)

Tested Item(s)	Result	MDL
Lead (Pb)	N.D.	2 mg/kg
Cadmium (Cd)	N.D.	2 mg/kg
Mercury (Hg)	N.D.	2 mg/kg
Hexavalent Chromium (Cr(VI))	N.D.	2 mg/kg

Tested Item(s)	Result	MDL
Polybrominated Biphenyls(PBBs)		
Monobromobiphenyl	N.D.	5 mg/kg
Dibromobiphenyl	N.D.	5 mg/kg
Tribromobiphenyl	N.D.	5 mg/kg
Tetrabromobiphenyl	N.D.	5 mg/kg
Pentabromobiphenyl	N.D.	5 mg/kg

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Hexabromobiphenyl	N.D.	5 mg/kg
Heptabromobiphenyl	N.D.	5 mg/kg
Octabromobiphenyl	N.D.	5 mg/kg
Nonabromobiphenyl	N.D.	5 mg/kg
Decabromobiphenyl	N.D.	5 mg/kg

Tested Item(s)	Result	MDL
Polybrominated Diphenyl Ethers(PBDEs)		
Monobromodiphenyl ether	N.D.	5 mg/kg
Dibromodiphenyl ether	N.D.	5 mg/kg
Tribromodiphenyl ether	N.D.	5 mg/kg
Tetrabromodiphenyl ether	N.D.	5 mg/kg
Pentabromodiphenyl ether	N.D.	5 mg/kg
Hexabromodiphenyl ether	N.D.	5 mg/kg
Heptabromodiphenyl ether	N.D.	5 mg/kg
Octabromodiphenyl ether	N.D.	5 mg/kg
Nonabromodiphenyl ether	N.D.	5 mg/kg
Decabromodiphenyl ether	N.D.	5 mg/kg

Tested Item(s)	Result	MDL
Phthalates		
Dibutyl phthalate(DBP) CAS#:84-74-2	N.D.	50 mg/kg
Butylbenzyl phthalate(BBP) CAS#:85-68-7	N.D.	50 mg/kg
Di-2-ethylhexyl phthalate(DEHP) CAS#:117-81-7	N.D.	50 mg/kg
Diisobutyl phthalate(DIBP) CAS#:84-69-5	N.D.	50 mg/kg

Tested Item(s)	Result	MDL
Halogen(s)		
Fluorine(F)	N.D.	10 mg/kg
Chlorine(Cl)	N.D.	10 mg/kg
Bromine(Br)	N.D.	10 mg/kg
Iodine(I)	N.D.	10 mg/kg

Tested Item(s)	Result	MDL
Perfluorooctane Sulfonates(PFOS)	N.D.	5 mg/kg
Perfluorooctanoic Acid(PFOA)	N.D.	5 mg/kg
Polyvinyl Chloride (PVC)	Negative	/

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Tested Item(s)	Result	MDL
Antimony(Sb)	75 mg/kg	5 mg/kg
Beryllium(Be)	N.D.	10 mg/kg

Tested Sample/Part Description Colorless transparent plastic film and adhesive

Remark: The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury, Antimony, Beryllium.

-MDL = Method Detection Limit

-N.D. = Not Detected (<MDL)

-mg/kg = ppm = parts per million

-Negative = Not contained Polyvinyl Chloride(PVC)

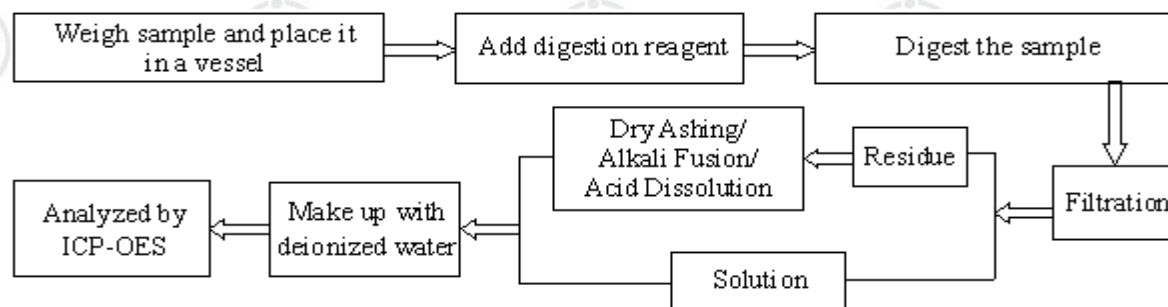
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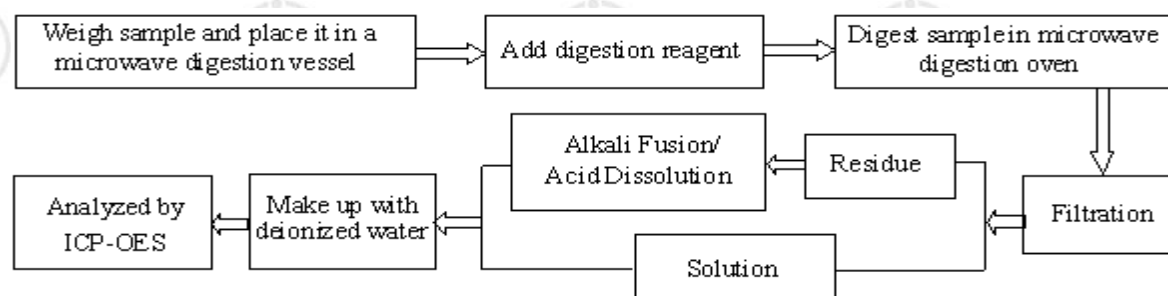
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Test Process

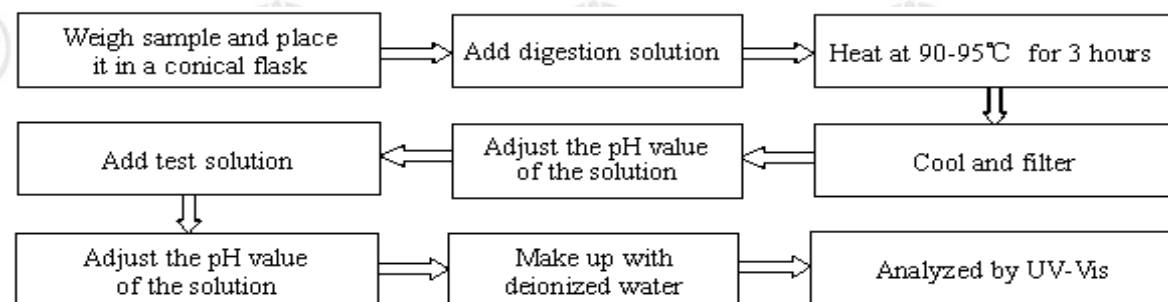
1. Lead (Pb), Cadmium (Cd)



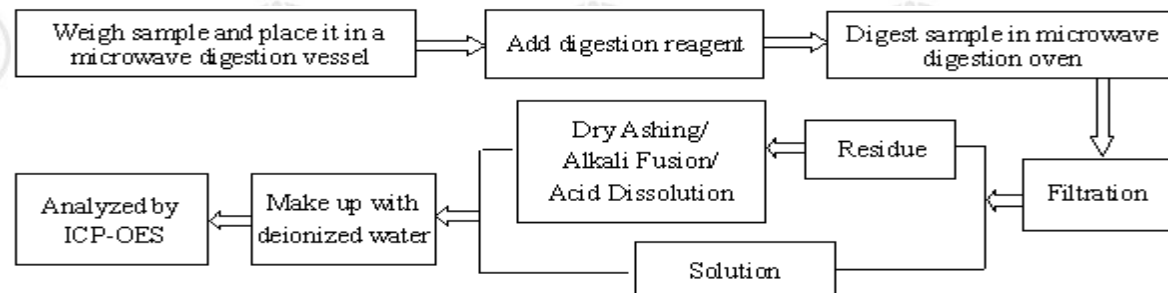
2. Mercury (Hg)



3. Hexavalent Chromium(Cr(VI))



4. Antimony(Sb), Beryllium(Be)

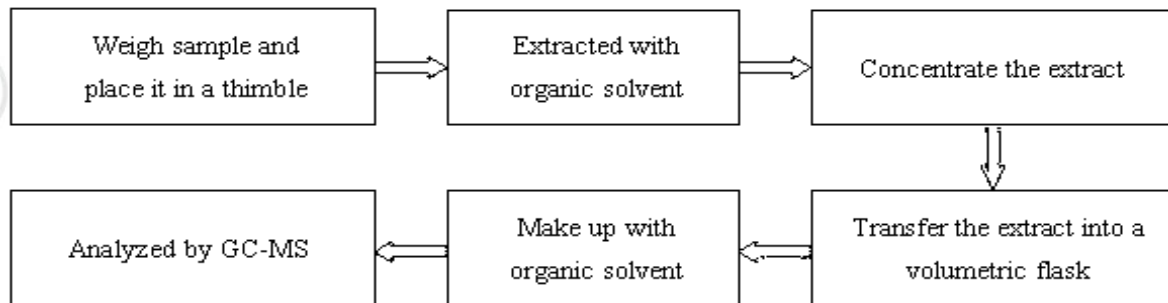


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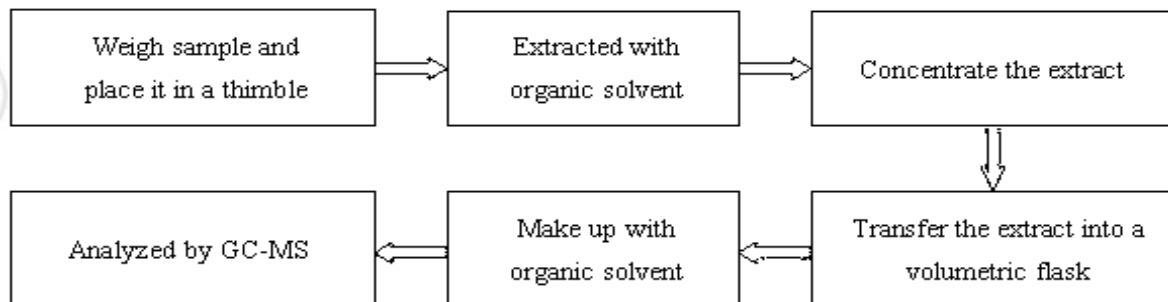
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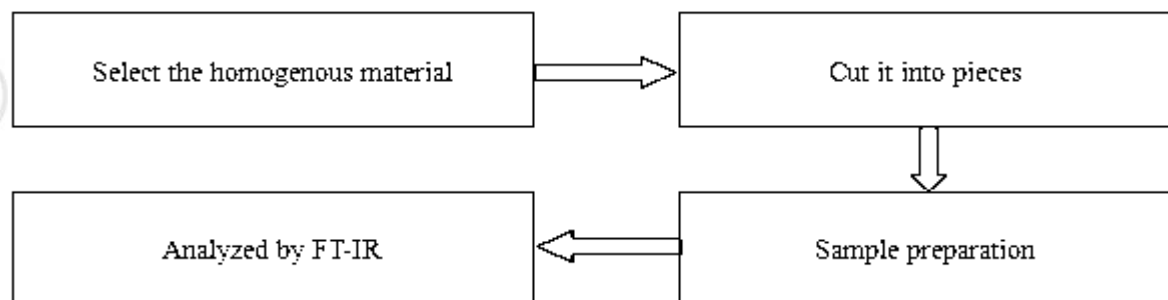
5. Polybrominated Biphenyls(PBBs) , Polybrominated Diphenyl Ethers(PBDEs)



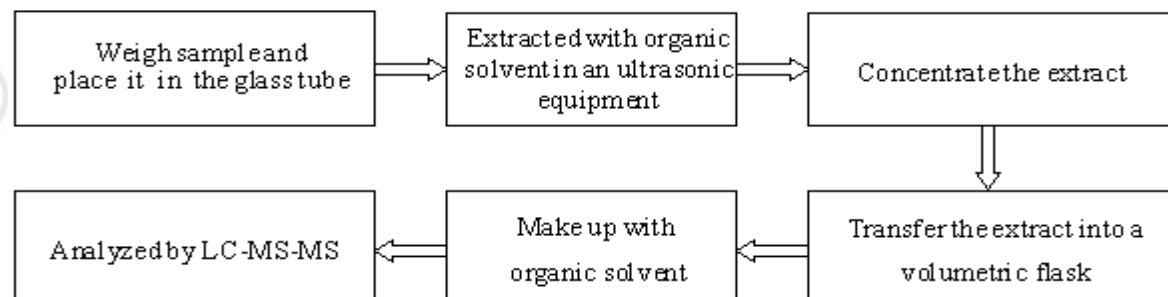
6. Phthalates(DBP, BBP, DEHP, DIBP)



7. Polyvinyl Chloride (PVC)



8. Perfluorooctane Sulfonates(PFOS), Perfluorooctanoic Acid(PFOA)

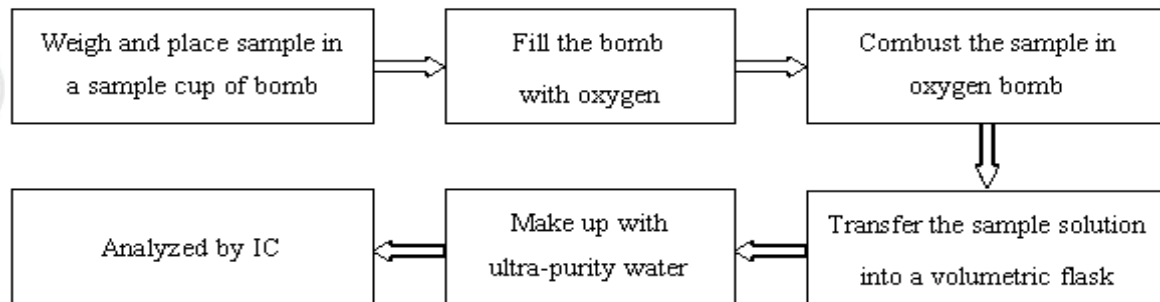


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9. Bromine(Br), Chlorine(Cl), Fluorine(F), Iodine(I)



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XLNW-F2000	XLNW-F2500	XLLF PTSG 100	XLLF PTSG 500	XLLF PTSG AG100
XLLF PTSG AG1000	XLLF PTSG AG50	XLLF PTSG AG500	XLLF PTSG HC100	XLLF PTSG HC1000
XLLF PTSG HC50	XLLF PTSG HC500	XLLF PTTP 360L	XLLF PTTP 360M	XLLF PTTP 362M
XLLF PTSG 1000	XLLF PTSG 50	XLLF PTTP 362L	XLLF PTTP 361M	XLLF PTTP 361L
FXA3625-D20S	FXB2550-15D	FXB2550-15DB	FXB2550-15DC	XLEPF RW 5050
XLEPF RW 7525	XLEPF RW 2525	XLEPF SV 50-50	XLEPF SV 75-25	XLEPF UHV 5050
XLEPF UHV 7525	XLEPF UHV 2525	XLEPF UV 7525	XLEPF SV 100	XLEPF SVAG 100
XLEPF SVAR 100	XLEPF SVCD 100	XLEPF SVABR 100	XLEPF SVAP 100	XLEPG RW 25
XLEPG RW 50	XLEPG RW 75	XLEPG RW 100	XLEPG RW 125	XLEPG RW 150
XLEPG RW 175	XLEPG RW 200	XLEPG RW 250	XLEPG UHV 25	XLEPG UHV 50
XLEPG UHV 75	XLEPG UHV 100	XLEPG UHV 125	XLEPG UHV 150	XLEPG UHV 175
XLEPG UHV 200	XLEPG UHV 250	XLEPG UHV U175	XLAB SV115	XLAB SV100
XLAB SV115B	XLAB SV115P	XLAB SV115G	XLAB SV115O	XLAB SVLS 115
XLAB SVAS 115	XLAB SVSD 115	XLAB SVBD 115	XLAB SVGD 115	XLAB SVPD 115
XLAB SVMMD 115	XLAB SVAR 115	XLAB SVABR 115	XLAB SVAP 115	XLAB RW115
XLAB RW100	XLAB RW115B	XLAB SV115P	XLAB SV115G	XLAB RWLS 115
XLAB RWGD 115	XLAB RWPD 115	XLAB RWMD 115	XLAB RWAS 115	XLAB RWSD 115
XLAB RWBD 115	XLAB RWAR 115	XLAB RWABR 115	XLAB RWA 115	XLCP SG 50L
XLCP SG 500L	XLCP PU 50L-25	XLCP PU 500L-25	XLCP A 36M-50	XLCP A 360M-50
XLCP TP 23M-75	XLCP TP 230M-75	XLWHT CF A100	XLWHT CF A50	XLWHT TSPT 360L
XLWHT TSPT 360M	XLWHT PU50	XLWHT PU500	XLWHT SG50	XLWHT SG100
XLWHT SG188	XLWHT SG500	XLWHT AS50	XLWHT AS500	XLAC TSF 23100
XLAC TSF 2350	XLAC TSF 1250	XLAC TSF 1650	XLAC TSF 2350-1	XLAC TSF 23100M-1
XLAC TSH PU3625	XLAC TSH A36251L	XLAC TSH A36251M	XLAC TSH SG3625L	XLAC TSH SG3625M
XLAC TSH A3625L	XLAC TSH A3625M	XLWWA 3625L	XLWWA 3625M	XLNW-500
XLNW-500S	XLNW-1000	XLNW-1000S	XLNW-1500	XLNW-1500S
XLNW-1800	XLNW-2000	XLNW-3000	XLNW-1800S	XLNW-2000S
XLNW-3000S	XLNW-F1800	XLAR-F1800	XLAR-2000	XLAR-2000S

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XLAR-3000	XLAR-3000S	XLAG10	XLAG10S	XLAG25
XLAG25S	XLBR-1800	XLPT-1500	XLPT-1800	XLUT-1000
XLUT-1500	XLUT-1800	XLUT-2000	XLNM-150	PU1800
PU102	XLNW-1800F	XLCP PTSG 36L-50	XLLF PTAG50 (单层)	XLLF PTSG AG50/100
XLLF PTSG 500/1000	XLAC TSH PU3625	XLWHT A50	XLLF A 36B	XLWHT TSPT 100L
XLWHT TSPT 50L	XLWHT TSPT 36L	XLWT PU50	XLWT PU500	XLWT PU36
XLWT PU360	XLWHT A50W	XLCP A 75H-50	XLCP A 36HB-50	XLCP PU50L-50
XLCP PU500L-50	XLCP SG 50L	FX2550-15D	XL AF-S250W	XLLF PTSG AG50-A
XLLF PTSG AG50-B	XLED AF S250W SG150	FXB2323-5D	FXB2575-25D	FXB2575-5D
FXB2575-50D	XLLF PTSG SG50	XLLF PT AG100-1	XLLF PT AG100-2	XLLF PT AG100-3
XLLF PT AG50-1	XLLF PT AG50-2	XLLF PT AG50-3	XLLF PT AG1000	XLLF PT AG500
XLLF PT SG50-H	XLCP PTA36L-50	XLEPF SV 50-25	XLEPF SV 100-25	XLRY-1550H
FXB2550-15D-1	XLNW-1500G	XLEPF SV 75	XLEPF SV 125-25	XLRY 1550H-1
XLLF PT SG100	XLNW-1800-1	XLEPF SV 125	XLEPF SV 250	XLRY 2550H-1
XLLF PT SG50	XLLF PTPP 361M (膜抗)	XLLF TAC 361M	XLRF-AG100	XLWWA UVRV 50
XLWHT TS 36LT	XLLF PTPP 361M (膜+胶抗)	XLEPF AG08-50	XLAR-F0825	FXB P0 2575-25D
XLCP PU 50L-50	XLEPG UHV U125(XLEPG SV 125-1)	XLWWA UVRV 600	XLEPF AG08-25	FXB P0 2575-50D
XLNW-SG188	XLAG-006	XLLF PTPU AG500-3	FXB P0 2575-150D	HLNW-H9F
XLNW-H6F	XLAR-H9	XLAR-H6	XLAR-1800	XLAR-1500
XLPT-2000	XLPT-AG2000	XLPT-AG1800	XLPT-AG1500	
XLAG FX10	XLAG FX25	XLNW-H9	XLNW-H6	XYLZ-1500
XLBR-H6	XLBR-1500	XLEPF RW 5025	XLEPF SV H3	XLEPF SV H4
XLEPF SV H6	XLEPF SV H6F	XLEPF SV H9F	XLEPG UHV U200	XLEPG UHV U250
XL PF H6	XL PF H9	XL IMD H6	XL IMD H9	XLAB-1800
XLRY-2530H	XLRY-F2530H	XLRY-S2530H	XLRY-2530	XLRY-2510
XLRY-2550	XLLF SG 36H	XLCP PTA 36L-50S	XLCP PTA 36L-75S	FXB PO 2575-150D
XLPO 2575 150D	XLPO 2575 500D	XLRY-1550	XLNW-4030H	XLNW-4030G
XLBR-1825	XLBR-1830	XL HTRV PO50H	XLWWA 100S	XLEPF LG-75

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XLWHT TSPU 36L	CPP 保护膜	XLEPF TPU 1800	XLZX 1800	XLEPF TP 36
XLWWA 50S	XL HTRV 50	XLEPG UVH U125	XLEPF UHV U125	XL HTRV 50
XLWWA 50S	XLEPF TP 36	XLEPF EVA 1800	XLWWA PVC 300H	XLFK 1500
XL HTRV 100	XLCP PU 500L	XLEPF A LAG-125	XLLF TP 360L	XLLF SG 500L
XLCP SG 50LB	XLEPF AG-50	XL HTRV PO50S	FXB PU-2550	XLWWA UVRV 1000
XLNW TPU 1800	XLNW EVA 1800	XLWWA 50H	XLLF PTPU AG50-2	XLWWA AG 100H
XL HTRV PO50	XLEPF TP 250	XLLF PTSG AG50-3S	XLEPT LG-75	XLWHT PTPP 361L
XLWHT PTPP 360L	XLEPF TP 100	XLLF PTSG AG50-2S	XL HTRV PO50L	XLWWA 100
XLED A 75	XLLF PTPU AG50-3	XLWWA TPO 50H	XLCP A 100M-50	XLWWA PO 50H
XLLF MAT 36	XLEPF AG 50	XLWWA 50	XL HTRV PO50M	XLWWA UVRV100
XLEPF TP SV 100	XLEPF TP 125	FXB2550-500HB	无硅离型膜	XLNW AG 1200
XLNW AG 1800	XLNW F2500S	XLUR 1800	XLWHT TS 36MB	XLEPF SG H6
XLLF TAC 100S	XLLF TAC 100	XLLF TAC 75S	XLLF TAC 75	XLLF TAC 100
XLLF MAT 50S	XLLF MAT 100S	XLLF MAT 100	XLLF MAT 50	XLLF TAC 36S
XLLF TAC 36	XLLF MAT 75	XLLF MAT 75S	XLCP PSAG 50	XLCP PSAG 125
XLCP PSAG 75	XLLF A LAG-125	XLLF A LAG-100	XLLF A LAG-50	XLLF AG-1
XLLF AG-3	XLLF AG-4	XLLF AG-2	XLLF TAC 50	XLLF TAC 50S
XLCP PSAG 100	XLEPF SV 50	XLEPF TAC 100	XLEPF TAC 100S	XLCP BA 50S
XLPO UVRV 100	XLPO UVRV 100S	XLPO UVRV 150S	XLPO UVRV 150	XLLF GOSG AG50-2
XLLF SISG AG50-2	XLWWA UVRV 1000S	XLLF PTSG AG50-AS	XLRY 5050L	XLRY 5050-B
XLRY-3630	XLRY-5050	XLRY-5040L	XLRY-5040H	XLRY-5030L
XLRY-5030H	XLRY 5050-A	FXB PO 2575-500D	FXB BPO 5075-150D	FXB PO 5075-SS30D
XLWHT SG500	XLWHT TSPT 360L	XLCP PTA 36L-50S	XLRY-2550H-1	XLAF-2550H
XLEPF-2550H	XLAF-2550H			

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Photo(s) of the sample(s)



*** End of report ***

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