


Laboratory of Environmental Analysis TEST REPORT

Company Name : 5020 & 5021 & 5022
Project Name : Jack Wolfskin Wastewater & Sludge Testing Programme
Sample Type : Water
Sample Number : PX6001201~02
Sampling : SGS Taiwan Ltd.
Sampling Place : *

Sampling Time : 2014/06/04 AM 11:10
Until : 2014/06/04 PM 12:20
Received Time : 2014/06/04 PM 04:04
Report Date : 2014/07/01
Report Number : PX/2014/60012
Contact Person : Joyce Lin
TEL/FAX : 02-2299-3279ext2305 / 02-2299-3261

REMARK : 1.This test document cannot be reproduced in any way, except in full content, without the prior approval in writing of the laboratory.
2.The results shown in this test report refer only to the sample(s) tested unless otherwise stated.




Cathy Kuo, M.S./ Manager

SIGNED FOR AND ON BEHALF OF

SGS TAIWAN LTD.

Page (1of21)

This document is issued by the Company subject to its General Conditions of Service, printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

TWB 0349509



Laboratory of Environmental Analysis
TEST REPORT

Sample : Incoming water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
Ortho-phthalates						
PX/60012-01	USEPA8270SIM	bis(2-ethylhexyl) phthalate	<10.0	ug/L	-	10.0
PX/60012-01	USEPA8270SIM	butyl benzyl phthalate	<10.0	ug/L	-	10.0
PX/60012-01	USEPA8270SIM	di-n-butyl phthalate	<10.0	ug/L	-	10.0
PX/60012-01	USEPA8270SIM	diethyl phthalate	<10.0	ug/L	-	10.0
PX/60012-01	USEPA8270SIM	dimethyl phthalate	<10.0	ug/L	-	10.0
PX/60012-01	USEPA8270SIM	di-n-octyl phthalate	<10.0	ug/L	-	10.0
PX/60012-01	USEPA8270SIM	di-isononyl phthalate	<10.0	ug/L	-	10.0
PX/60012-01	USEPA8270SIM	di-iso-decyl phthalate	<10.0	ug/L	-	10.0
PX/60012-01	USEPA8270SIM	di-isobutyl phthalate	<10.0	ug/L	-	10.0
PX/60012-01	USEPA8270SIM	di-n-hexyl phthalate	<10.0	ug/L	-	10.0
PX/60012-01	USEPA8270SIM	Di-n-Propyl Phthalate (DPRP)	<10.0	ug/L	-	10.0
PX/60012-01	USEPA8270SIM	Di-cyclohexyl Phthalate (DCHP)	<10.0	ug/L	-	10.0
PX/60012-01	USEPA8270SIM	Dinonyl Phthalate (DNP)	<10.0	ug/L	-	10.0
PX/60012-01	USEPA8270SIM	Di-iso-octyl Phthalate (DIOP)	<10.0	ug/L	-	10.0
PX/60012-01	USEPA8270SIM	Dimethoxyethyl Phthalate (DMEP)	<10.0	ug/L	-	10.0
Brominated Flame retardants						
PX/60012-01	USEPA 527 (GC/MS)	Polybromobiphenyls(PBBs)	<0.5	ug/L	-	0.5
PX/60012-01	USEPA 527 (GC/MS)	4-PBDE	<0.05	ug/L	-	0.05
PX/60012-01	USEPA 527 (GC/MS)	5-PBDE	<0.05	ug/L	-	0.05
PX/60012-01	USEPA 527 (GC/MS)	6-PBDE	<0.05	ug/L	-	0.05
PX/60012-01	USEPA 527 (GC/MS)	7-PBDE	<0.05	ug/L	-	0.05
PX/60012-01	USEPA 527 (GC/MS)	8-PBDE	<0.05	ug/L	-	0.05
REMARK						



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

TWB 0349510



Laboratory of Environmental Analysis
TEST REPORT

Sample : Incoming water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/60012-01	USEPA 527 (GC/MS)	9-PBDE	<0.05	ug/L	-	0.05
PX/60012-01	USEPA 527 (GC/MS)	10-PBDE	<0.05	ug/L	-	0.05
PX/60012-01	USEPA 527 (GC/MS)	Tris(2,3-dibromopropyl) phosphate (TRIS)	<0.5	ug/L	-	0.5
PX/60012-01	USEPA 527 (GC/MS)	Tetrabromobisphenol A (TBBPA)	<0.5	ug/L	-	0.5
PX/60012-01	USEPA 527 (GC/MS)	Bis(2,3-dibromopropyl) phosphate	<20.0	ug/L	-	20.0
PX/60012-01	USEPA 527 (GC/MS)	Hexabromocyclododecane (HBCDD)	<0.5	ug/L	-	0.5
PX/60012-01	USEPA 527 (GC/MS)	2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)	<20.0	ug/L	-	20.0
Chlorinated Flame Retardants						
PX/60012-01	USEPA 527 (GC/MS)	Tris(2-chloroethyl) phosphate (TCEP)	<0.5	ug/L	-	0.5
PX/60012-01	USEPA 527 (GC/MS)	Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	<0.5	ug/L	-	0.5
Azo dyes						
PX/60012-01	USEPA8270	4-AMINOBIHENYL	<1.00	ug/L	-	1.00
PX/60012-01	USEPA8270	BENZIDINE	<1.00	ug/L	-	1.00
PX/60012-01	USEPA8270	4-CHLORO-O-TOLUIDINE	<1.00	ug/L	-	1.00
PX/60012-01	USEPA8270	2-NAPHTHYLAMINE	<1.00	ug/L	-	1.00
PX/60012-01	USEPA8270	O-AMINOAZOTOLUENE	<1.00	ug/L	-	1.00
PX/60012-01	USEPA8270	5-NITRO-O-TOLUIDINE	<1.00	ug/L	-	1.00
PX/60012-01	USEPA8270	4-CHLOROANILINE	<1.00	ug/L	-	1.00
PX/60012-01	USEPA8270	4-METHOXY-M-PHENYLENEDIAMINE	<1.00	ug/L	-	1.00
PX/60012-01	USEPA8270	4,4'-DIAMINODIPHENYLMETHANE	<1.00	ug/L	-	1.00
PX/60012-01	USEPA8270	3,3'-DICHLOROBENZIDINE	<1.00	ug/L	-	1.00
PX/60012-01	USEPA8270	3,3'-DIMETHOXYBENZIDINE	<1.00	ug/L	-	1.00
PX/60012-01	USEPA8270	3,3'-DIMETHYLBENZIDINE	<1.00	ug/L	-	1.00
REMARK						



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

TWB 0349511



Laboratory of Environmental Analysis
TEST REPORT

Sample : Incoming water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/60012-01	USEPA8270	4,4'-METHYLENEDI-O-TOLUIDINE	<1.00	ug/L	-	1.00
PX/60012-01	USEPA8270	P-CRESIDINE	<1.00	ug/L	-	1.00
PX/60012-01	USEPA8270	4,4'-METHYLENE-BIS-(2-CHLOROANILINE)	<1.00	ug/L	-	1.00
PX/60012-01	USEPA8270	4,4'-OXYDIANILINE	<1.00	ug/L	-	1.00
PX/60012-01	USEPA8270	4,4'-THIODIANILINE	<1.00	ug/L	-	1.00
PX/60012-01	USEPA8270	O-TOLUIDINE	<1.00	ug/L	-	1.00
PX/60012-01	USEPA8270	4-METHYL-M-PHENYLENEDIAMINE	<1.00	ug/L	-	1.00
PX/60012-01	USEPA8270	2,4,5-TRIMETHYLANILINE	<1.00	ug/L	-	1.00
PX/60012-01	USEPA8270	O-ANISIDINE	<1.00	ug/L	-	1.00
PX/60012-01	USEPA8270	4-AMINOAZOBENZENE	<1.00	ug/L	-	1.00
PX/60012-01	USEPA8270	2,4-XYLIDINE	<1.00	ug/L	-	1.00
PX/60012-01	USEPA8270	2,6-XYLIDINE	<1.00	ug/L	-	1.00
PX/60012-01	USEPA8270	ANILINE	<1.00	ug/L	-	1.00
Chlorobenzenes						
PX/60012-01	USEPA8260	Chlorobenzene	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8260	1,2-Dichlorobenzene	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8260	1,3-Dichlorobenzene	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8260	1,4-Dichlorobenzene	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8260	1,2,4-Trichlorobenzene	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8260	1,2,3-Trichlorobenzene,	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8260	1,3,5-Trichlorobenzene	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8270SIM	1,2,3,4-Tetrachlorobenzene	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8270SIM	1,2,3,5-Tetrachlorobenzene	<5.00	ug/L	-	5.00
REMARK						



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic form documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

TWB 0349512



Laboratory of Environmental Analysis
TEST REPORT

Sample : Incoming water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/60012-01	USEPA8270SIM	1,2,4,5-Tetrachlorobenzene	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8270SIM	Pentachlorobenzene	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8270SIM	Hexachlorobenzene	<5.00	ug/L	-	5.00
Chlorinated solvents						
PX/60012-01	USEPA8260	Methylene chloride	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8260	Tetrachloroethene	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8260	Trichloroethene	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8260	1,1,2-Trichloroethane	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8260	Carbon tetrachloride	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8260	Chloroform	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8260	1,2-Dichloroethane	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8260	1,1-Dichloroethane	<5.00	ug/L	-	5.00
Chlorophenols						
PX/60012-01	USEPA8270SIM	2-Chlorophenol	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8270SIM	2,4-Dichlorophenol	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8270SIM	2,5-Dichlorophenol	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8270SIM	2,3-Dichlorophenol	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8270SIM	3-Chlorophenol	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8270SIM	4-Chlorophenol	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8270SIM	2,6-Dichlorophenol	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8270SIM	2,3,5-Trichlorophenol	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8270SIM	2,4,6-Trichlorophenol	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8270SIM	2,4,5-Trichlorophenol	<5.00	ug/L	-	5.00
REMARK						



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

TWB 0349513



Laboratory of Environmental Analysis
TEST REPORT

Sample : Incoming water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/60012-01	USEPA8270SIM	2,3,4-Trichlorophenol	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8270SIM	3,5-Dichlorophenol	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8270SIM	3,4-Dichlorophenol	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8270SIM	2,3,5,6-Tetrachlorophenol	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8270SIM	2,3,4,5-Tetrachlorophenol	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8270SIM	2,3,4,6-Trichlorophenol	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8270SIM	3,4,5-Trichlorophenol	<5.00	ug/L	-	5.00
PX/60012-01	USEPA8270SIM	Pentachlorophenol	<5.00	ug/L	-	5.00
Organotin Compounds						
PX/60012-01	ISO 17353 (GC/MS)	Monobutyltin	<0.1	ug/L	-	0.1
PX/60012-01	ISO 17353 (GC/MS)	Dibutyltin	<0.1	ug/L	-	0.1
PX/60012-01	ISO 17353 (GC/MS)	Tributyltin	<0.1	ug/L	-	0.1
PX/60012-01	ISO 17353 (GC/MS)	Diocetyl tin	<0.1	ug/L	-	0.1
PX/60012-01	ISO 17353 (GC/MS)	Triphenyltin	<0.1	ug/L	-	0.1
PX/60012-01	ISO 17353 (GC/MS)	Tricyclohexyltin	<0.1	ug/L	-	0.1
PX/60012-01	ISO 17353 (GC/MS)	Triocetyl tin	<0.1	ug/L	-	0.1
PX/60012-01	ISO 17353 (GC/MS)	Tripropyltin	<0.1	ug/L	-	0.1
Short Chain Chlorinated(SCCP) with C10-C13						
PX/60012-01	USEPA 8082(GC/ECD)	(SCCP) with C10-C13	<10.0	ug/L	-	10.0
APEO						
PX/60012-01	Dichloromethane extraction /(GC/MS)	Nonylphenol	<5.00	ug/L	-	5.00
PX/60012-01	Dichloromethane extraction /(GC/MS)	Octylphenol	<5.00	ug/L	-	5.00
REMARK						

Page (6of21)



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

TWB 0349514



Laboratory of Environmental Analysis
TEST REPORT

Sample : Incoming water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/60012-01	Dichloromethane extraction /(GC/MS)	Nonylphenol monoethoxylates, NP1EO	<5.00	ug/L	-	5.00
PX/60012-01	Dichloromethane extraction /(GC/MS)	Nonylphenol diethoxylates NP2EO				
PX/60012-01	Dichloromethane extraction /(GC/MS)	Octylphenol monoethoxylates, OP1EO	<5.00	ug/L	-	5.00
PX/60012-01	Dichloromethane extraction /(GC/MS)	Octylphenol diethoxylates, OP2EO				
PX/60012-01	SolidPhaseExtration/(LC/MS)	Nonylphenoethoxylates, n=4 to n=15	<1.00	ug/L	-	1.00
PX/60012-01	SolidPhaseExtration/(LC/MS)	Octylphenoethoxylates, n=4 to n= 15	<1.00	ug/L	-	1.00
PFCs						
PX/60012-01	USEPA 3535A /(LC/MS)	perfluorooctanoic acid (PFOA)	<1.00	ug/L	-	1.00
PX/60012-01	USEPA 3535A /(LC/MS)	perfluorooctane sulfonate (PFOS)	<1.00	ug/L	-	1.00
Heavy Metals						
PX/60012-01	NIEA W313	Arsenic, As	0.00127	mg/L	0.00002	-
PX/60012-01	NIEA W313	Cadmium, Cd	<0.00020	mg/L	0.00002	-
PX/60012-01	NIEA W313	Cobalt, Co	ND<0.00004	mg/L	0.00004	-
PX/60012-01	NIEA W313	Chromium, Cr (total)	0.00125	mg/L	0.00005	-
PX/60012-01	NIEA W320	Chromium, hexavalent, Cr(VI)	ND<0.01	mg/L	0.01	-
PX/60012-01	NIEA W313	Copper, Cu	0.00245	mg/L	0.00006	-
PX/60012-01	NIEA W313	Mercury, Hg	<0.00005(0.00001)	mg/L	0.00002	-
PX/60012-01	NIEA W313	Manganese, Mn	0.00084	mg/L	0.00004	-
PX/60012-01	NIEA W313	Nickel, Ni	0.00115	mg/L	0.00005	-
PX/60012-01	NIEA W313	Lead, Pb	0.00028	mg/L	0.00002	-
PX/60012-01	NIEA W313	Antimony, Sb	0.00016	mg/L	0.00003	-
PX/60012-01	NIEA W313	Zinc, Zn	0.00325	mg/L	0.00002	-

REMARK	1. Sample interference by matrix, Cadmium and Lead is diluted by the factor of 2.					



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

TWB 0349515



Laboratory of Environmental Analysis
TEST REPORT

Sample : Untreated water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
Ortho-phthalates						
PX/60012-02	USEPA8270SIM	bis(2-ethylhexyl) phthalate	<200	ug/L	-	200
PX/60012-02	USEPA8270SIM	butyl benzyl phthalate	<200	ug/L	-	200
PX/60012-02	USEPA8270SIM	di-n-butyl phthalate	<200	ug/L	-	200
PX/60012-02	USEPA8270SIM	diethyl phthalate	<200	ug/L	-	200
PX/60012-02	USEPA8270SIM	dimethyl phthalate	<200	ug/L	-	200
PX/60012-02	USEPA8270SIM	di-n-octyl phthalate	<200	ug/L	-	200
PX/60012-02	USEPA8270SIM	di-isononyl phthalate	<200	ug/L	-	200
PX/60012-02	USEPA8270SIM	di-iso-decyl phthalate	<200	ug/L	-	200
PX/60012-02	USEPA8270SIM	di-isobutyl phthalate	<200	ug/L	-	200
PX/60012-02	USEPA8270SIM	di-n-hexyl phthalate	<200	ug/L	-	200
PX/60012-02	USEPA8270SIM	Di-n-Propyl Phthalate (DPRP)	<200	ug/L	-	200
PX/60012-02	USEPA8270SIM	Di-cyclohexyl Phthalate (DCHP)	<200	ug/L	-	200
PX/60012-02	USEPA8270SIM	Dinonyl Phthalate (DNP)	<200	ug/L	-	200
PX/60012-02	USEPA8270SIM	Di-iso-octyl Phthalate (DIOP)	<200	ug/L	-	200
PX/60012-02	USEPA8270SIM	Dimethoxyethyl Phthalate (DMEP)	<200	ug/L	-	200
Brominated Flame retardants						
PX/60012-02	USEPA 527 (GC/MS)	Polybromobiphenyls(PBBs)	<0.5	ug/L	-	0.5
PX/60012-02	USEPA 527 (GC/MS)	4-PBDE	<0.05	ug/L	-	0.05
PX/60012-02	USEPA 527 (GC/MS)	5-PBDE	<0.05	ug/L	-	0.05
PX/60012-02	USEPA 527 (GC/MS)	6-PBDE	<0.05	ug/L	-	0.05
PX/60012-02	USEPA 527 (GC/MS)	7-PBDE	<0.05	ug/L	-	0.05
PX/60012-02	USEPA 527 (GC/MS)	8-PBDE	<0.05	ug/L	-	0.05
REMARK						



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

TWB 0349516



Laboratory of Environmental Analysis
TEST REPORT

Sample : Untreated water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/60012-02	USEPA 527 (GC/MS)	9-PBDE	<0.05	ug/L	-	0.05
PX/60012-02	USEPA 527 (GC/MS)	10-PBDE	<0.05	ug/L	-	0.05
PX/60012-02	USEPA 527 (GC/MS)	Tris(2,3-dibromopropyl) phosphate (TRIS)	<0.5	ug/L	-	0.5
PX/60012-02	USEPA 527 (GC/MS)	Tetrabromobisphenol A (TBBPA)	<0.5	ug/L	-	0.5
PX/60012-02	USEPA 527 (GC/MS)	Bis(2,3-dibromopropyl) phosphate	<20.0	ug/L	-	20.0
PX/60012-02	USEPA 527 (GC/MS)	Hexabromocyclododecane (HBCDD)	<0.5	ug/L	-	0.5
PX/60012-02	USEPA 527 (GC/MS)	2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)	<20.0	ug/L	-	20.0
Chlorinated Flame Retardants						
PX/60012-02	USEPA 527 (GC/MS)	Tris(2-chloroethyl) phosphate (TCEP)	<0.5	ug/L	-	0.5
PX/60012-02	USEPA 527 (GC/MS)	Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	<0.5	ug/L	-	0.5
Azo dyes						
PX/60012-02	USEPA8270	4-AMINOBIHENYL	<1.00	ug/L	-	1.00
PX/60012-02	USEPA8270	BENZIDINE	<1.00	ug/L	-	1.00
PX/60012-02	USEPA8270	4-CHLORO-O-TOLUIDINE	<1.00	ug/L	-	1.00
PX/60012-02	USEPA8270	2-NAPHTHYLAMINE	<1.00	ug/L	-	1.00
PX/60012-02	USEPA8270	O-AMINOAZOTOLUENE	<1.00	ug/L	-	1.00
PX/60012-02	USEPA8270	5-NITRO-O-TOLUIDINE	<1.00	ug/L	-	1.00
PX/60012-02	USEPA8270	4-CHLOROANILINE	<1.00	ug/L	-	1.00
PX/60012-02	USEPA8270	4-METHOXY-M-PHENYLENEDIAMINE	<1.00	ug/L	-	1.00
PX/60012-02	USEPA8270	4,4'-DIAMINODIPHENYLMETHANE	<1.00	ug/L	-	1.00
PX/60012-02	USEPA8270	3,3'-DICHLOROBENZIDINE	<1.00	ug/L	-	1.00
PX/60012-02	USEPA8270	3,3'-DIMETHOXYBENZIDINE	<1.00	ug/L	-	1.00
PX/60012-02	USEPA8270	3,3'-DIMETHYLBENZIDINE	<1.00	ug/L	-	1.00
REMARK						



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

TWB 0349517



Laboratory of Environmental Analysis
TEST REPORT

Sample : Untreated water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/60012-02	USEPA8270	4,4'-METHYLENEDI-O-TOLUIDINE	<1.00	ug/L	-	1.00
PX/60012-02	USEPA8270	P-CRESIDINE	<1.00	ug/L	-	1.00
PX/60012-02	USEPA8270	4,4'-METHYLENE-BIS-(2-CHLOROANILINE)	<1.00	ug/L	-	1.00
PX/60012-02	USEPA8270	4,4'-OXYDIANILINE	<1.00	ug/L	-	1.00
PX/60012-02	USEPA8270	4,4'-THIODIANILINE	<1.00	ug/L	-	1.00
PX/60012-02	USEPA8270	O-TOLUIDINE	<1.00	ug/L	-	1.00
PX/60012-02	USEPA8270	4-METHYL-M-PHENYLENEDIAMINE	<1.00	ug/L	-	1.00
PX/60012-02	USEPA8270	2,4,5-TRIMETHYLANILINE	<1.00	ug/L	-	1.00
PX/60012-02	USEPA8270	O-ANISIDINE	<1.00	ug/L	-	1.00
PX/60012-02	USEPA8270	4-AMINOAZOBENZENE	<1.00	ug/L	-	1.00
PX/60012-02	USEPA8270	2,4-XYLIDINE	<1.00	ug/L	-	1.00
PX/60012-02	USEPA8270	2,6-XYLIDINE	<1.00	ug/L	-	1.00
PX/60012-02	USEPA8270	ANILINE	<1.00	ug/L	-	1.00
Chlorobenzenes						
PX/60012-02	USEPA8260	Chlorobenzene	<1000	ug/L	-	1000
PX/60012-02	USEPA8260	1,2-Dichlorobenzene	<1000	ug/L	-	1000
PX/60012-02	USEPA8260	1,3-Dichlorobenzene	<1000	ug/L	-	1000
PX/60012-02	USEPA8260	1,4-Dichlorobenzene	<1000	ug/L	-	1000
PX/60012-02	USEPA8260	1,2,4-Trichlorobenzene	<1000	ug/L	-	1000
PX/60012-02	USEPA8260	1,2,3-Trichlorobenzene,	<1000	ug/L	-	1000
PX/60012-02	USEPA8260	1,3,5-Trichlorobenzene	<1000	ug/L	-	1000
PX/60012-02	USEPA8270SIM	1,2,3,4-Tetrachlorobenzene	<50.0	ug/L	-	50.0
PX/60012-02	USEPA8270SIM	1,2,3,5-Tetrachlorobenzene	<50.0	ug/L	-	50.0
REMARK						



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

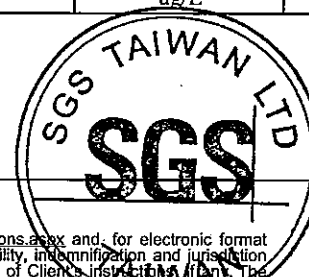
TWB 0349518



Laboratory of Environmental Analysis
TEST REPORT

Sample : Untreated water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/60012-02	USEPA8270SIM	1,2,4,5-Tetrachlorobenzene	<50.0	ug/L	-	50.0
PX/60012-02	USEPA8270SIM	Pentachlorobenzene	<50.0	ug/L	-	50.0
PX/60012-02	USEPA8270SIM	Hexachlorobenzene	<50.0	ug/L	-	50.0
Chlorinated solvents						
PX/60012-02	USEPA8260	Methylene chloride	<1000	ug/L	-	1000
PX/60012-02	USEPA8260	Tetrachloroethene	<1000	ug/L	-	1000
PX/60012-02	USEPA8260	Trichloroethene	<1000	ug/L	-	1000
PX/60012-02	USEPA8260	1,1,2-Trichloroethane	<1000	ug/L	-	1000
PX/60012-02	USEPA8260	Carbon tetrachloride	<1000	ug/L	-	1000
PX/60012-02	USEPA8260	Chloroform	<1000	ug/L	-	1000
PX/60012-02	USEPA8260	1,2-Dichloroethane	<1000	ug/L	-	1000
PX/60012-02	USEPA8260	1,1-Dichloroethane	<1000	ug/L	-	1000
Chlorophenols						
PX/60012-02	USEPA8270SIM	2-Chlorophenol	<200	ug/L	-	200
PX/60012-02	USEPA8270SIM	2,4-Dichlorophenol	<50.0	ug/L	-	50.0
PX/60012-02	USEPA8270SIM	2,5-Dichlorophenol	<50.0	ug/L	-	50.0
PX/60012-02	USEPA8270SIM	2,3-Dichlorophenol	<50.0	ug/L	-	50.0
PX/60012-02	USEPA8270SIM	3-Chlorophenol	<50.0	ug/L	-	50.0
PX/60012-02	USEPA8270SIM	4-Chlorophenol	<50.0	ug/L	-	50.0
PX/60012-02	USEPA8270SIM	2,6-Dichlorophenol	<50.0	ug/L	-	50.0
PX/60012-02	USEPA8270SIM	2,3,5-Trichlorophenol	<50.0	ug/L	-	50.0
PX/60012-02	USEPA8270SIM	2,4,6-Trichlorophenol	<50.0	ug/L	-	50.0
PX/60012-02	USEPA8270SIM	2,4,5-Trichlorophenol	<50.0	ug/L	-	50.0
REMARK						



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

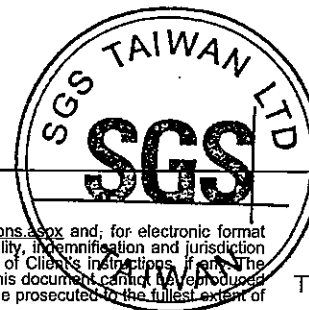
TWB 0349519



Laboratory of Environmental Analysis
TEST REPORT

Sample : Untreated water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/60012-02	USEPA8270SIM	2,3,4-Trichlorophenol	<50.0	ug/L	-	50.0
PX/60012-02	USEPA8270SIM	3,5-Dichlorophenol	<50.0	ug/L	-	50.0
PX/60012-02	USEPA8270SIM	3,4-Dichlorophenol	<50.0	ug/L	-	50.0
PX/60012-02	USEPA8270SIM	2,3,5,6-Tetrachlorophenol	<50.0	ug/L	-	50.0
PX/60012-02	USEPA8270SIM	2,3,4,5-Tetrachlorophenol	<50.0	ug/L	-	50.0
PX/60012-02	USEPA8270SIM	2,3,4,6-Trichlorophenol	<50.0	ug/L	-	50.0
PX/60012-02	USEPA8270SIM	3,4,5-Trichlorophenol	<50.0	ug/L	-	50.0
PX/60012-02	USEPA8270SIM	Pentachlorophenol	<50.0	ug/L	-	50.0
Organotin Compounds						
PX/60012-02	ISO 17353 (GC/MS)	Monobutyltin	<0.1	ug/L	-	0.1
PX/60012-02	ISO 17353 (GC/MS)	Dibutyltin	<0.1	ug/L	-	0.1
PX/60012-02	ISO 17353 (GC/MS)	Tributyltin	0.127	ug/L	-	0.1
PX/60012-02	ISO 17353 (GC/MS)	Diocetyl tin	<0.1	ug/L	-	0.1
PX/60012-02	ISO 17353 (GC/MS)	Triphenyltin	<0.1	ug/L	-	0.1
PX/60012-02	ISO 17353 (GC/MS)	Tricyclohexyltin	<0.1	ug/L	-	0.1
PX/60012-02	ISO 17353 (GC/MS)	Triocetyl tin	<0.1	ug/L	-	0.1
PX/60012-02	ISO 17353 (GC/MS)	Tripropyltin	<0.1	ug/L	-	0.1
Short Chain Chlorinated(SCCP) with C10-C13						
PX/60012-02	USEPA 8082(GC/ECD)	(SCCP) with C10-C13	<10.0	ug/L	-	10.0
APEO						
PX/60012-02	Dichloromethane extraction /(GC/MS)	Nonylphenol	<5.00	ug/L	-	5.00
PX/60012-02	Dichloromethane extraction /(GC/MS)	Octylphenol	<5.00	ug/L	-	5.00
REMARK						



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions. If not, the Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

TWB 0349520



Laboratory of Environmental Analysis
TEST REPORT

Sample : Untreated water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/60012-02	Dichloromethane extraction /(GC/MS)	Nonylphenol monoethoxylates, NP1EO	<5.00	ug/L	-	5.00
PX/60012-02	Dichloromethane extraction /(GC/MS)	Nonylphenol diethoxylates NP2EO				
PX/60012-02	Dichloromethane extraction /(GC/MS)	Octylphenol monoethoxylates, OP1EO	<5.00	ug/L	-	5.00
PX/60012-02	Dichloromethane extraction /(GC/MS)	Octylphenol diethoxylates, OP2EO				
PX/60012-02	SolidPhaseExtraction/(LC/MS)	Nonylphenoethoxylates, n=4 to n=15	<1.00	ug/L	-	1.00
PX/60012-02	SolidPhaseExtraction/(LC/MS)	Octylphenoethoxylates, n=4 to n= 15	<1.00	ug/L	-	1.00
PFCs						
PX/60012-02	USEPA 3535A /(LC/MS)	perfluorooctanoic acid (PFOA)	<1.00	ug/L	-	1.00
PX/60012-02	USEPA 3535A /(LC/MS)	perfluorooctane sulfonate (PFOS)	<1.00	ug/L	-	1.00
Heavy Metals						
PX/60012-02	NIEA W313	Arsenic, As	0.00182	mg/L	0.00002	-
PX/60012-02	NIEA W313	Cadmium, Cd	<0.00500	mg/L	0.00002	-
PX/60012-02	NIEA W313	Cobalt, Co	0.00190	mg/L	0.00004	-
PX/60012-02	NIEA W313	Chromium, Cr (total)	0.0143	mg/L	0.00005	-
PX/60012-02	NIEA W320	Chromium, hexavalent, Cr(VI)	ND<0.01	mg/L	0.01	-
PX/60012-02	NIEA W313	Copper, Cu	0.0101	mg/L	0.00006	-
PX/60012-02	NIEA W313	Mercury, Hg	<0.00025	mg/L	0.00002	-
PX/60012-02	NIEA W313	Manganese, Mn	0.00791	mg/L	0.00004	-
PX/60012-02	NIEA W313	Nickel, Ni	0.00141	mg/L	0.00005	-
PX/60012-02	NIEA W313	Lead, Pb	<0.00500	mg/L	0.00002	-
PX/60012-02	NIEA W313	Antimony, Sb	0.00347	mg/L	0.00003	-
PX/60012-02	NIEA W313	Zinc, Zn	0.0519	mg/L	0.00002	-
<p>REMARK</p> <p>1. Sample interference by matrix, Arsenic, Cobalt, Manganese and Nickel is diluted by the factor of 10. 2. Sample interference by matrix, Cadmium and Lead is diluted by the factor of 50. 3. Sample interference by matrix, Mercury and Antimony is diluted by the factor of 5.</p>						



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

TWB 0349521

Laboratory of Environmental Analysis QA/QC REPORT

Lab Sample ID	Analysis Method	Analyte	QA/QC Type	Recovery	Lower Control Limit	Upper Control Limit
Ortho-phthalates						
PX/60012-01~02	USEPA8270SIM	bis(2-ethylhexyl) phthalate	LCS	86.3%	60	140
PX/60012-01~02	USEPA8270SIM	butyl benzyl phthalate	LCS	87.6%	60	140
PX/60012-01~02	USEPA8270SIM	di-n-butyl phthalate	LCS	84.2%	60	140
PX/60012-01~02	USEPA8270SIM	diethyl phthalate	LCS	84.6%	60	140
PX/60012-01~02	USEPA8270SIM	dimethyl phthalate	LCS	83.9%	60	140
PX/60012-01~02	USEPA8270SIM	di-n-octyl phthalate	LCS	82.7%	60	140
PX/60012-01~02	USEPA8270SIM	di-isononyl phthalate	LCS	79.7%	60	140
PX/60012-01~02	USEPA8270SIM	di-iso-decyl phthalate	LCS	104.9%	60	140
PX/60012-01~02	USEPA8270SIM	di-isobutyl phthalate	LCS	85.9%	60	140
PX/60012-01~02	USEPA8270SIM	di-n-hexyl phthalate	LCS	87.5%	60	140
PX/60012-01~02	USEPA8270SIM	Di-n-Propyl Phthalate (DPRP)	LCS	86.2%	60	140
PX/60012-01~02	USEPA8270SIM	Di-cyclohexyl Phthalate (DCHP)	LCS	84.2%	60	140
PX/60012-01~02	USEPA8270SIM	Dinonyl Phthalate (DNP)	LCS	84.5%	60	140
PX/60012-01~02	USEPA8270SIM	Di-iso-octyl Phthalate (DIOP)	LCS	79.1%	60	140
PX/60012-01~02	USEPA8270SIM	Dimethoxyethyl Phthalate (DMEP)	LCS	76.2%	60	140
Brominated Flame retardants						
PX/60012-01~02	USEPA 527 (GC/MS)	3-PBDE	LCS	44.7%	-	-
PX/60012-01~02	USEPA 527 (GC/MS)	4-PBDE	LCS	45.2%	-	-
PX/60012-01~02	USEPA 527 (GC/MS)	5-PBDE	LCS	42.0%	-	-
REMARK						

Page (14of21)



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, in whole or in part, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

TWB 0349522

Laboratory of Environmental Analysis QA/QC REPORT

Lab Sample ID	Analysis Method	Analyte	QA/QC Type	Recovery	Lower Control Limit	Upper Control Limit
PX/60012-01~02	USEPA 527 (GC/MS)	6-PBDE	LCS	44.0%	-	-
PX/60012-01~02	USEPA 527 (GC/MS)	7-PBDE	LCS	48.4%	-	-
PX/60012-01~02	USEPA 527 (GC/MS)	10-PBDE	LCS	49.8%	-	-
PX/60012-01~02	USEPA 527 (GC/MS)	Tris(2,3-dibromopropyl) phosphate (TRIS)	LCS	82.6%	-	-
PX/60012-01~02	USEPA 527 (GC/MS)	Tetrabromobisphenol A (TBBPA)	LCS	100.6%	-	-
PX/60012-01~02	USEPA 527 (GC/MS)	Bis(2,3-dibromopropyl) phosphate	LCS	89.0%	-	-
PX/60012-01~02	USEPA 527 (GC/MS)	Hexabromocyclododecane (HBCDD)	LCS	93.3%	-	-
PX/60012-01~02	USEPA 527 (GC/MS)	2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)	LCS	94.3%	-	-
Chlorinated Flame Retardants						
PX/60012-01~02	USEPA 527 (GC/MS)	Tris(2-chloroethyl) phosphate (TCEP)	LCS	98.6%	-	-
PX/60012-01~02	USEPA 527 (GC/MS)	Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	LCS	99.8%	-	-
Azo dyes						
PX/60012-01~02	USEPA8270	4-AMINOBIIPHENYL	LCS	45.0%	-	-
PX/60012-01~02	USEPA8270	BENZIDINE	LCS	19.0%	-	-
PX/60012-01~02	USEPA8270	4-CHLORO-O-TOLUIDINE	LCS	44.0%	-	-
PX/60012-01~02	USEPA8270	2-NAPHTHYLAMINE	LCS	45.0%	-	-
PX/60012-01~02	USEPA8270	4-CHLOROANILINE	LCS	39.0%	-	-
PX/60012-01~02	USEPA8270	4,4'-DIAMINODIPHENYLMETHANE	LCS	22.0%	-	-
PX/60012-01~02	USEPA8270	3,3'-DICHLOOROBENZIDINE	LCS	48.0%	-	-
PX/60012-01~02	USEPA8270	3,3'-DIMETHOXYBENZIDINE	LCS	18.0%	-	-
REMARK						



Laboratory of Environmental Analysis QA/QC REPORT

Lab Sample ID	Analysis Method	Analyte	QA/QC Type	Recovery	Lower Control Limit	Upper Control Limit
PX/60012-01~02	USEPA8270	3,3'-DIMETHYLBENZIDINE	LCS	34.0%	-	-
PX/60012-01~02	USEPA8270	4,4'-METHYLENEDI-O-TOLUIDINE	LCS	25.0%	-	-
PX/60012-01~02	USEPA8270	P-CRESIDINE	LCS	44.0%	-	-
PX/60012-01~02	USEPA8270	4,4'-METHYLENE-BIS-(2-CHLOROANILINE)	LCS	45.0%	-	-
PX/60012-01~02	USEPA8270	4,4'-OXYDIANILINE	LCS	21.0%	-	-
PX/60012-01~02	USEPA8270	4,4'-THIODIANILINE	LCS	18.0%	-	-
PX/60012-01~02	USEPA8270	O-TOLUIDINE	LCS	46.0%	-	-
PX/60012-01~02	USEPA8270	4-METHYL-M-PHENYLENEDIAMINE	LCS	10.0%	-	-
PX/60012-01~02	USEPA8270	2,4,5-TRIMETHYLANILINE	LCS	40.0%	-	-
PX/60012-01~02	USEPA8270	O-ANISIDINE	LCS	45.0%	-	-
PX/60012-01~02	USEPA8270	4-AMINOAZOBENZENE	LCS	44.0%	-	-
PX/60012-01~02	USEPA8270	2,4-XYLIDINE	LCS	46.0%	-	-
PX/60012-01~02	USEPA8270	2,6-XYLIDINE	LCS	46.0%	-	-
PX/60012-01~02	USEPA8270	ANILINE	LCS	56.0%	-	-
Chlorobenzenes						
PX/60012-01~02	USEPA8260	Chlorobenzene	LCS	100.2%	75	125
PX/60012-01~02	USEPA8260	1,2-Dichlorobenzene	LCS	102.0%	75	125
PX/60012-01~02	USEPA8260	1,3-Dichlorobenzene	LCS	101.1%	75	125
PX/60012-01~02	USEPA8270SIM	1,2,3,4-Tetrachlorobenzene	LCS	69.8%	60	140
PX/60012-01~02	USEPA8270SIM	1,2,3,5-Tetrachlorobenzene	LCS	69.4%	60	140
REMARK						

Page (16of21)

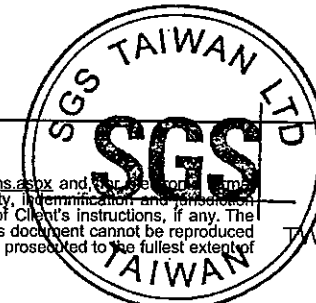
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and/or its electronic documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and arbitration issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.



TWB 0349524

Laboratory of Environmental Analysis QA/QC REPORT

Lab Sample ID	Analysis Method	Analyte	QAQC Type	Recovery	Lower Control Limit	Upper Control Limit
PX/60012-01~02	USEPA8270SIM	1,2,4,5-Tetrachlorobenzene	LCS	74.2%	60	140
PX/60012-01~02	USEPA8270SIM	Pentachlorobenzene	LCS	76.8%	60	140
PX/60012-01~02	USEPA8270SIM	Hexachlorobenzene	LCS	92.2%	60	140
Chlorinated solvents						
PX/60012-01~02	USEPA8260	Methylene chloride	LCS	105.2%	75	125
PX/60012-01~02	USEPA8260	Tetrachloroethene	LCS	100.3%	75	125
PX/60012-01~02	USEPA8260	Trichloroethene	LCS	99.0%	75	125
PX/60012-01~02	USEPA8260	1,1,2-Trichloroethane	LCS	101.3%	75	125
PX/60012-01~02	USEPA8260	Carbon tetrachloride	LCS	95.0%	75	125
PX/60012-01~02	USEPA8260	Chloroform	LCS	101.6%	75	125
PX/60012-01~02	USEPA8260	1,2-Dichloroethane	LCS	100.3%	75	125
Chlorophenols						
PX/60012-01~02	USEPA8270SIM	2-Chlorophenol	LCS	80.0%	60	140
PX/60012-01~02	USEPA8270SIM	2,4-Dichlorophenol	LCS	63.2%	60	140
PX/60012-01~02	USEPA8270SIM	2,5-Dichlorophenol	LCS	82.2%	60	140
PX/60012-01~02	USEPA8270SIM	2,3-Dichlorophenol	LCS	82.0%	60	140
PX/60012-01~02	USEPA8270SIM	3-Chlorophenol	LCS	92.8%	60	140
PX/60012-01~02	USEPA8270SIM	4-Chlorophenol	LCS	86.0%	60	140
PX/60012-01~02	USEPA8270SIM	2,6-Dichlorophenol	LCS	79.8%	60	140
PX/60012-01~02	USEPA8270SIM	2,3,5-Trichlorophenol	LCS	82.2%	60	140
REMARK						



Laboratory of Environmental Analysis QA/QC REPORT

Lab Sample ID	Analysis Method	Analyte	QA/QC Type	Recovery	Lower Control Limit	Upper Control Limit
PX/60012-01~02	USEPA8270SIM	2,4,6-Trichlorophenol	LCS	81.6%	60	140
PX/60012-01~02	USEPA8270SIM	2,4,5-Trichlorophenol	LCS	86.0%	60	140
PX/60012-01~02	USEPA8270SIM	2,3,4-Trichlorophenol	LCS	88.0%	60	140
PX/60012-01~02	USEPA8270SIM	3,5-Dichlorophenol	LCS	94.6%	60	140
PX/60012-01~02	USEPA8270SIM	3,4-Dichlorophenol	LCS	92.8%	60	140
PX/60012-01~02	USEPA8270SIM	2,3,5,6-Tetrachlorophenol	LCS	61.0%	60	140
PX/60012-01~02	USEPA8270SIM	2,3,4,5-Tetrachlorophenol	LCS	92.0%	60	140
PX/60012-01~02	USEPA8270SIM	2,3,4,6-Trichlorophenol	LCS	77.8%	60	140
PX/60012-01~02	USEPA8270SIM	3,4,5-Trichlorophenol	LCS	88.8%	60	140
PX/60012-01~02	USEPA8270SIM	Pentachlorophenol	LCS	80.4%	60	140
Organotin Compounds						
PX/60012-01~02	ISO 17353 (GC/MS)	Monobutyltin	LCS	81.7%	-	-
PX/60012-01~02	ISO 17353 (GC/MS)	Dibutyltin	LCS	36.3%	-	-
PX/60012-01~02	ISO 17353 (GC/MS)	Tributyltin	LCS	25.3%	-	-
PX/60012-01~02	ISO 17353 (GC/MS)	Diocetyl tin	LCS	26.7%	-	-
PX/60012-01~02	ISO 17353 (GC/MS)	Triphenyltin	LCS	70.7%	-	-
PX/60012-01~02	ISO 17353 (GC/MS)	Tricyclohexyltin	LCS	50.0%	-	-
PX/60012-01~02	ISO 17353 (GC/MS)	Triocetyl tin	LCS	47.7%	-	-
PX/60012-01~02	ISO 17353 (GC/MS)	Tripropyltin	LCS	68.7%	-	-
REMARK						



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and for electronic documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

TWB 0349526

Laboratory of Environmental Analysis QA/QC REPORT

Lab Sample ID	Analysis Method	Analyte	QAQC Type	Recovery	Lower Control Limit	Upper Control Limit
Short Chain Chlorinated(SCCP) with C10-C13						
PX/60012-01~02	USEPA 8082(GC/ECD)	(SCCP) with C10-C13	LCS	98.7%	30	120
APEO						
PX/60012-01~02	Dichloromethane extraction /(GC/MS)	Nonylphenol	LCS	57.1%	-	-
PX/60012-01~02	Dichloromethane extraction /(GC/MS)	Octylphenol	LCS	34.3%	-	-
PX/60012-01~02	Dichloromethane extraction /(GC/MS)	Nonylphenol monoethoxylates, NP1EO	LCS	49.7%	-	-
PX/60012-01~02	Dichloromethane extraction /(GC/MS)	Nonylphenol diethoxylates NP2EO				
PX/60012-01~02	Dichloromethane extraction /(GC/MS)	Octylphenol monoethoxylates, OP1EO	LCS	77.3%	-	-
PX/60012-01~02	Dichloromethane extraction /(GC/MS)	Octylphenol diethoxylates, OP2EO				
PX/60012-01~02	SolidPhaseExtraction/(LC/MS)	Nonylphenoethoxylates, n=4 to n=15	LCS	57.5%	-	-
PX/60012-01~02	SolidPhaseExtraction/(LC/MS)	Octylphenoethoxylates, n=4 to n= 15	LCS	80.0%	-	-
PFCs						
PX/60012-01~02	USEPA 3535A /(LC/MS)	perfluorooctanoic acid (PFOA)	LCS	50.0%	30	120
PX/60012-01~02	USEPA 3535A /(LC/MS)	perfluorooctane sulfonate (PFOS)	LCS	99.0%	30	120
Heavy Metals						
PX/60012-01~02	NIEA W313	Arsenic, As	LCS	109.6%	80	120
PX/60012-01~02	NIEA W313	Cadmium, Cd	LCS	105.1%	80	120
PX/60012-01~02	NIEA W313	Cobalt, Co	LCS	108.7%	80	120
PX/60012-01~02	NIEA W313	Chromium, Cr (total)	LCS	108.5%	80	120
PX/60012-01~02	NIEA W320	Chromium, hexavalent, Cr(VI)	LCS	96.2%	80	120
REMARK						



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the full extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.



Laboratory of Environmental Analysis
QA/QC REPORT

Lab Sample ID	Analysis Method	Analyte	QAQC Type	Recovery	Lower Control Limit	Upper Control Limit
PX/60012-01~02	NIEA W313	Copper, Cu	LCS	108.5%	80	120
PX/60012-01~02	NIEA W313	Mercury, Hg	LCS	101.5%	80	120
PX/60012-01~02	NIEA W313	Manganese, Mn	LCS	105.4%	80	120
PX/60012-01~02	NIEA W313	Nickel, Ni	LCS	104.5%	80	120
PX/60012-01~02	NIEA W313	Lead, Pb	LCS	100.8%	80	120
PX/60012-01~02	NIEA W313	Antimony, Sb	LCS	91.7%	80	120
PX/60012-01~02	NIEA W313	Zinc, Zn	LCS	109.4%	80	120
PX/60012-01~02	NIEA W313	Arsenic, As	MS	82.2%	80	120
PX/60012-01~02	NIEA W313	Cadmium, Cd	MS	102.1%	80	120
PX/60012-01~02	NIEA W313	Cobalt, Co	MS	92.5%	80	120
PX/60012-01~02	NIEA W313	Chromium, Cr (total)	MS	103.8%	80	120
PX/60012-01~02	NIEA W313	Copper, Cu	MS	97.5%	80	120
PX/60012-01~02	NIEA W313	Mercury, Hg	MS	96.9%	80	120
PX/60012-01~02	NIEA W313	Manganese, Mn	MS	98.5%	80	120
PX/60012-01~02	NIEA W313	Nickel, Ni	MS	94.1%	80	120
PX/60012-01~02	NIEA W313	Lead, Pb	MS	107.3%	80	120
PX/60012-01~02	NIEA W313	Antimony, Sb	MS	102.1%	80	120
PX/60012-01~02	NIEA W313	Zinc, Zn	MS	109.6%	80	120
PX/60012-01~02	NIEA W313	Cadmium, Cd	MSD	97.9%	80	120
PX/60012-01~02	NIEA W313	Cobalt, Co	MSD	96.7%	80	120
REMARK						

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.



TWB 0349528

Laboratory of Environmental Analysis QA/QC REPORT

Lab Sample ID	Analysis Method	Analyte	QA/QC Type	Recovery	Lower Control Limit	Upper Control Limit
PX/60012-01~02	NIEA W313	Mercury, Hg	MSD	95.8%	80	120

REMARK						



0349529

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.