

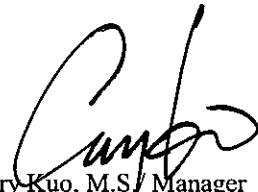
TEST REPORT

Company Name : 5146 & 5147
Project Name : Jack Wolfskin Wastewater & Sludge Testing Programme
Sample Type : Water & Sludge
Sample Number : PX4005301~04
Sampling : SGS Taiwan Ltd.
Sampling Place : *

Sampling Time : 2014/04/14 PM 01:00
Until : 2014/04/14 PM 02:55
Received Time : 2014/04/14 PM 04:20
Report Date : 2014/05/12
Report Number : PX/2014/40053
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.




Carry Kuo, M.S./ Manager

SIGNED FOR AND ON BEHALF OF
SGS TAIWAN LTD.

Page (1of41)

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 0349427



Laboratory of Environmental Analysis
TEST REPORT

Sample : Incoming water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
Ortho-phthalates						
PX/40053-01	USEPA8270SIM	bis(2-ethylhexyl) phthalate	<10.0	ug/L	-	10.0
PX/40053-01	USEPA8270SIM	butyl benzyl phthalate	<10.0	ug/L	-	10.0
PX/40053-01	USEPA8270SIM	di-n-butyl phthalate	<10.0	ug/L	-	10.0
PX/40053-01	USEPA8270SIM	diethyl phthalate	<10.0	ug/L	-	10.0
PX/40053-01	USEPA8270SIM	dimethyl phthalate	<10.0	ug/L	-	10.0
PX/40053-01	USEPA8270SIM	di-n-octyl phthalate	<10.0	ug/L	-	10.0
PX/40053-01	USEPA8270SIM	di-isononyl phthalate	<10.0	ug/L	-	10.0
PX/40053-01	USEPA8270SIM	di-iso-decyl phthalate	<10.0	ug/L	-	10.0
PX/40053-01	USEPA8270SIM	di-isobutyl phthalate	<10.0	ug/L	-	10.0
PX/40053-01	USEPA8270SIM	di-n-hexyl phthalate	<10.0	ug/L	-	10.0
PX/40053-01	USEPA8270SIM	Di-n-Propyl Phthalate (DPRP)	<10.0	ug/L	-	10.0
PX/40053-01	USEPA8270SIM	Di-cyclohexyl Phthalate (DCHP)	<10.0	ug/L	-	10.0
PX/40053-01	USEPA8270SIM	Dinonyl Phthalate (DNP)	<10.0	ug/L	-	10.0
PX/40053-01	USEPA8270SIM	Di-iso-octyl Phthalate (DIOP)	<10.0	ug/L	-	10.0
PX/40053-01	USEPA8270SIM	Dimethoxyethyl Phthalate (DMEP)	<10.0	ug/L	-	10.0
Brominated Flame retardants						
PX/40053-01	USEPA 527 (GC/MS)	Polybromobiphenyls(PBBs)	<0.5	ug/L	-	0.5
PX/40053-01	USEPA 527 (GC/MS)	4-PBDE	<0.05	ug/L	-	0.05
PX/40053-01	USEPA 527 (GC/MS)	5-PBDE	<0.05	ug/L	-	0.05
PX/40053-01	USEPA 527 (GC/MS)	6-PBDE	<0.05	ug/L	-	0.05
PX/40053-01	USEPA 527 (GC/MS)	7-PBDE	<0.05	ug/L	-	0.05
PX/40053-01	USEPA 527 (GC/MS)	8-PBDE	<0.05	ug/L	-	0.05
REMARK						

Page (2of41)



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. Any use of 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 0349428



Laboratory of Environmental Analysis
TEST REPORT

Sample : Incoming water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/40053-01	USEPA 527 (GC/MS)	9-PBDE	<0.05	ug/L	-	0.05
PX/40053-01	USEPA 527 (GC/MS)	10-PBDE	<0.05	ug/L	-	0.05
PX/40053-01	USEPA 527 (GC/MS)	Tris(2,3-dibromopropyl) phosphate (TRIS)	<0.5	ug/L	-	0.5
PX/40053-01	USEPA 527 (GC/MS)	Tetrabromobisphenol A (TBBPA)	<0.5	ug/L	-	0.5
PX/40053-01	USEPA 527 (GC/MS)	Bis(2,3-dibromopropyl) phosphate	<20.0	ug/L	-	20.0
PX/40053-01	USEPA 527 (GC/MS)	Hexabromocyclododecane (HBCDD)	<0.5	ug/L	-	0.5
PX/40053-01	USEPA 527 (GC/MS)	2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)	<20.0	ug/L	-	20.0
Chlorinated Flame Retardants						
PX/40053-01	USEPA 527 (GC/MS)	Tris(2-chloroethyl) phosphate (TCEP)	<0.5	ug/L	-	0.5
PX/40053-01	USEPA 527 (GC/MS)	Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	<0.5	ug/L	-	0.5
Azo dyes						
PX/40053-01	USEPA8270	4-AMINOBIIPHENYL	<1.00	ug/L	-	1.00
PX/40053-01	USEPA8270	BENZIDINE	<1.00	ug/L	-	1.00
PX/40053-01	USEPA8270	4-CHLORO-O-TOLUIDINE	<1.00	ug/L	-	1.00
PX/40053-01	USEPA8270	2-NAPHTHYLAMINE	<1.00	ug/L	-	1.00
PX/40053-01	USEPA8270	O-AMINOAZOTOLUENE	<1.00	ug/L	-	1.00
PX/40053-01	USEPA8270	5-NITRO-O-TOLUIDINE	<1.00	ug/L	-	1.00
PX/40053-01	USEPA8270	4-CHLOROANILINE	<1.00	ug/L	-	1.00
PX/40053-01	USEPA8270	4-METHOXY-M-PHENYLENEDIAMINE	<1.00	ug/L	-	1.00
PX/40053-01	USEPA8270	4,4'-DIAMINODIPHENYLMETHANE	<1.00	ug/L	-	1.00
PX/40053-01	USEPA8270	3,3'-DICHLOROBENZIDINE	<1.00	ug/L	-	1.00
PX/40053-01	USEPA8270	3,3'-DIMETHOXYBENZIDINE	<1.00	ug/L	-	1.00
PX/40053-01	USEPA8270	3,3'-DIMETHYLBENZIDINE	<1.00	ug/L	-	1.00
REMARK						

Page (3of41)



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 in 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 0349429



Laboratory of Environmental Analysis
TEST REPORT

Sample : Incoming water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/40053-01	USEPA8270	4,4'-METHYLENEDI-O-TOLUIDINE	<1.00	ug/L	-	1.00
PX/40053-01	USEPA8270	P-CRESIDINE	<1.00	ug/L	-	1.00
PX/40053-01	USEPA8270	4,4'-METHYLENE-BIS-(2-CHLOROANILINE)	<1.00	ug/L	-	1.00
PX/40053-01	USEPA8270	4,4'-OXYDIANILINE	<1.00	ug/L	-	1.00
PX/40053-01	USEPA8270	4,4'-THIODIANILINE	<1.00	ug/L	-	1.00
PX/40053-01	USEPA8270	O-TOLUIDINE	<1.00	ug/L	-	1.00
PX/40053-01	USEPA8270	4-METHYL-M-PHENYLENEDIAMINE	<1.00	ug/L	-	1.00
PX/40053-01	USEPA8270	2,4,5-TRIMETHYLANILINE	<1.00	ug/L	-	1.00
PX/40053-01	USEPA8270	O-ANISIDINE	<1.00	ug/L	-	1.00
PX/40053-01	USEPA8270	4-AMINOAZOBENZENE	<1.00	ug/L	-	1.00
PX/40053-01	USEPA8270	2,4-XYLIDINE	<1.00	ug/L	-	1.00
PX/40053-01	USEPA8270	2,6-XYLIDINE	<1.00	ug/L	-	1.00
PX/40053-01	USEPA8270	ANILINE	<1.00	ug/L	-	1.00
Chlorobenzenes						
PX/40053-01	USEPA8260	Chlorobenzene	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8260	1,2-Dichlorobenzene	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8260	1,3-Dichlorobenzene	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8260	1,4-Dichlorobenzene	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8260	1,2,4-Trichlorobenzene	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8260	1,2,3-Trichlorobenzene,	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8260	1,3,5-Trichlorobenzene	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8270SIM	1,2,3,4-Tetrachlorobenzene	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8270SIM	1,2,3,5-Tetrachlorobenzene	<5.00	ug/L	-	5.00
REMARK						

Page (4of41)

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. 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 0349430



Laboratory of Environmental Analysis
TEST REPORT

Sample : Incoming water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/40053-01	USEPA8270SIM	1,2,4,5-Tetrachlorobenzene	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8270SIM	Pentachlorobenzene	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8270SIM	Hexachlorobenzene	<5.00	ug/L	-	5.00
Chlorinated solvents						
PX/40053-01	USEPA8260	Methylene chloride	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8260	Tetrachloroethene	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8260	Trichloroethene	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8260	1,1,2-Trichloroethane	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8260	Carbon tetrachloride	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8260	Chloroform	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8260	1,2-Dichloroethane	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8260	1,1-Dichloroethane	<5.00	ug/L	-	5.00
Chlorophenols						
PX/40053-01	USEPA8270SIM	2-Chlorophenol	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8270SIM	2,4-Dichlorophenol	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8270SIM	2,5-Dichlorophenol	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8270SIM	2,3-Dichlorophenol	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8270SIM	3-Chlorophenol	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8270SIM	4-Chlorophenol	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8270SIM	2,6-Dichlorophenol	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8270SIM	2,3,5-Trichlorophenol	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8270SIM	2,4,6-Trichlorophenol	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8270SIM	2,4,5-Trichlorophenol	<5.00	ug/L	-	5.00
REMARK						

Page (5of41)



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. Any use of 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 0349431



Laboratory of Environmental Analysis
TEST REPORT

Sample : Incoming water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/40053-01	USEPA8270SIM	2,3,4-Trichlorophenol	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8270SIM	3,5-Dichlorophenol	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8270SIM	3,4-Dichlorophenol	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8270SIM	2,3,5,6-Tetrachlorophenol	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8270SIM	2,3,4,5-Tetrachlorophenol	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8270SIM	2,3,4,6-Trichlorophenol	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8270SIM	3,4,5-Trichlorophenol	<5.00	ug/L	-	5.00
PX/40053-01	USEPA8270SIM	Pentachlorophenol	<5.00	ug/L	-	5.00
Organotin Compounds						
PX/40053-01	ISO 17353 (GC/MS)	Monobutyltin	<0.1	ug/L	-	0.1
PX/40053-01	ISO 17353 (GC/MS)	Dibutyltin	<0.1	ug/L	-	0.1
PX/40053-01	ISO 17353 (GC/MS)	Tributyltin	<0.1	ug/L	-	0.1
PX/40053-01	ISO 17353 (GC/MS)	Diocetyl tin	<0.1	ug/L	-	0.1
PX/40053-01	ISO 17353 (GC/MS)	Triphenyltin	<0.1	ug/L	-	0.1
PX/40053-01	ISO 17353 (GC/MS)	Tricyclohexyltin	<0.1	ug/L	-	0.1
PX/40053-01	ISO 17353 (GC/MS)	Triocetyl tin	<0.1	ug/L	-	0.1
PX/40053-01	ISO 17353 (GC/MS)	Tripropyltin	<0.1	ug/L	-	0.1
Short Chain Chlorinated(SCCP) with C10-C13						
PX/40053-01	USEPA 8082(GC/ECD)	(SCCP) with C10-C13	<10.0	ug/L	-	10.0
APEO						
PX/40053-01	Dichloromethane extraction /(GC/MS)	Nonylphenol	<5.00	ug/L	-	5.00
PX/40053-01	Dichloromethane extraction /(GC/MS)	Octylphenol	<5.00	ug/L	-	5.00
REMARK						

Page (6of41)



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. 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 0349432



Laboratory of Environmental Analysis
TEST REPORT

Sample : Incoming water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/40053-01	Dichloromethane extraction /(GC/MS)	Nonylphenol monoethoxylates, NP1EO	<5.00	ug/L	-	5.00
PX/40053-01	Dichloromethane extraction /(GC/MS)	Nonylphenol diethoxylates, NP2EO				
PX/40053-01	Dichloromethane extraction /(GC/MS)	Octylphenol monoethoxylates, OP1EO	<5.00	ug/L	-	5.00
PX/40053-01	Dichloromethane extraction /(GC/MS)	Octylphenol diethoxylates, OP2EO				
PX/40053-01	SolidPhaseExtraction/(LC/MS)	Nonylphenoethoxylates, n=4 to n=15	<1.00	ug/L	-	1.00
PX/40053-01	SolidPhaseExtraction/(LC/MS)	Octylphenoethoxylates, n=4 to n=15	<1.00	ug/L	-	1.00
PFCs						
PX/40053-01	USEPA 3535A /(LC/MS)	perfluorooctanoic acid (PFOA)	<1.00	ug/L	-	1.00
PX/40053-01	USEPA 3535A /(LC/MS)	perfluorooctane sulfonate (PFOS)	<1.00	ug/L	-	1.00
Heavy Metals						
PX/40053-01	NIEA W313	Arsenic, As	0.00112	mg/L	-	0.00010
PX/40053-01	NIEA W313	Cadmium, Cd	<0.00010	mg/L	-	0.00010
PX/40053-01	NIEA W313	Cobalt, Co	0.00024	mg/L	-	0.00010
PX/40053-01	NIEA W313	Chromium, Cr (total)	0.00252	mg/L	-	0.00010
PX/40053-01	NIEA W320	Chromium, hexavalent, Cr(VI)	ND<0.01	mg/L	0.01	-
PX/40053-01	NIEA W313	Copper, Cu	0.00185	mg/L	-	0.00010
PX/40053-01	NIEA W313	Mercury, Hg	0.00007	mg/L	-	0.00005
PX/40053-01	NIEA W313	Manganese, Mn	0.0331	mg/L	-	0.00010
PX/40053-01	NIEA W313	Nickel, Ni	0.00237	mg/L	-	0.00010
PX/40053-01	NIEA W313	Lead, Pb	0.00036	mg/L	-	0.00010
PX/40053-01	NIEA W313	Antimony, Sb	<0.00005	mg/L	-	0.00005
PX/40053-01	NIEA W313	Zinc, Zn	0.0222	mg/L	-	0.00010
PX/40053-01	NIEA W410	Cyanide, CN ⁻	ND<0.004	mg/L	0.004	-
REMARK						

Page (7of41)

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. In any case, 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 0349433



Laboratory of Environmental Analysis
TEST REPORT

Sample : Untreated water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
Ortho-phthalates						
PX/40053-02	USEPA8270SIM	bis(2-ethylhexyl) phthalate	<10.0	ug/L	-	10.0
PX/40053-02	USEPA8270SIM	butyl benzyl phthalate	<10.0	ug/L	-	10.0
PX/40053-02	USEPA8270SIM	di-n-butyl phthalate	<10.0	ug/L	-	10.0
PX/40053-02	USEPA8270SIM	diethyl phthalate	<10.0	ug/L	-	10.0
PX/40053-02	USEPA8270SIM	dimethyl phthalate	<10.0	ug/L	-	10.0
PX/40053-02	USEPA8270SIM	di-n-octyl phthalate	<10.0	ug/L	-	10.0
PX/40053-02	USEPA8270SIM	di-isononyl phthalate	<10.0	ug/L	-	10.0
PX/40053-02	USEPA8270SIM	di-iso-decyl phthalate	<10.0	ug/L	-	10.0
PX/40053-02	USEPA8270SIM	di-isobutyl phthalate	<10.0	ug/L	-	10.0
PX/40053-02	USEPA8270SIM	di-n-hexyl phthalate	<10.0	ug/L	-	10.0
PX/40053-02	USEPA8270SIM	Di-n-Propyl Phthalate (DPRP)	<10.0	ug/L	-	10.0
PX/40053-02	USEPA8270SIM	Di-cyclohexyl Phthalate (DCHP)	<10.0	ug/L	-	10.0
PX/40053-02	USEPA8270SIM	Dinonyl Phthalate (DNP)	<10.0	ug/L	-	10.0
PX/40053-02	USEPA8270SIM	Di-iso-octyl Phthalate (DIOP)	<10.0	ug/L	-	10.0
PX/40053-02	USEPA8270SIM	Dimethoxyethyl Phthalate (DMEP)	<10.0	ug/L	-	10.0
Brominated Flame retardants						
PX/40053-02	USEPA 527 (GC/MS)	Polybromobiphenyls(PBBs)	<0.5	ug/L	-	0.5
PX/40053-02	USEPA 527 (GC/MS)	4-PBDE	<0.05	ug/L	-	0.05
PX/40053-02	USEPA 527 (GC/MS)	5-PBDE	<0.05	ug/L	-	0.05
PX/40053-02	USEPA 527 (GC/MS)	6-PBDE	<0.05	ug/L	-	0.05
PX/40053-02	USEPA 527 (GC/MS)	7-PBDE	<0.05	ug/L	-	0.05
PX/40053-02	USEPA 527 (GC/MS)	8-PBDE	<0.05	ug/L	-	0.05
REMARK						

Page (8of41)

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 0349434

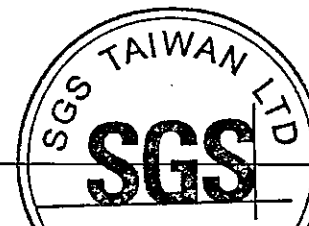


Laboratory of Environmental Analysis
TEST REPORT

Sample : Untreated water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/40053-02	USEPA 527 (GC/MS)	9-PBDE	<0.05	ug/L	-	0.05
PX/40053-02	USEPA 527 (GC/MS)	10-PBDE	<0.05	ug/L	-	0.05
PX/40053-02	USEPA 527 (GC/MS)	Tris(2,3-dibromopropyl) phosphate (TRIS)	<0.5	ug/L	-	0.5
PX/40053-02	USEPA 527 (GC/MS)	Tetrabromobisphenol A (TBBPA)	<0.5	ug/L	-	0.5
PX/40053-02	USEPA 527 (GC/MS)	Bis(2,3-dibromopropyl) phosphate	<20.0	ug/L	-	20.0
PX/40053-02	USEPA 527 (GC/MS)	Hexabromocyclododecane (HBCDD)	<0.5	ug/L	-	0.5
PX/40053-02	USEPA 527 (GC/MS)	2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)	<20.0	ug/L	-	20.0
Chlorinated Flame Retardants						
PX/40053-02	USEPA 527 (GC/MS)	Tris(2-chloroethyl) phosphate (TCEP)	<0.5	ug/L	-	0.5
PX/40053-02	USEPA 527 (GC/MS)	Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	<0.5	ug/L	-	0.5
Azo dyes						
PX/40053-02	USEPA8270	4-AMINOBIIPHENYL	<1.00	ug/L	-	1.00
PX/40053-02	USEPA8270	BENZIDINE	<1.00	ug/L	-	1.00
PX/40053-02	USEPA8270	4-CHLORO-O-TOLUIDINE	<1.00	ug/L	-	1.00
PX/40053-02	USEPA8270	2-NAPHTHYLAMINE	<1.00	ug/L	-	1.00
PX/40053-02	USEPA8270	O-AMINOAZOTOLUENE	<1.00	ug/L	-	1.00
PX/40053-02	USEPA8270	5-NITRO-O-TOLUIDINE	<1.00	ug/L	-	1.00
PX/40053-02	USEPA8270	4-CHLOROANILINE	<1.00	ug/L	-	1.00
PX/40053-02	USEPA8270	4-METHOXY-M-PHENYLENEDIAMINE	<1.00	ug/L	-	1.00
PX/40053-02	USEPA8270	4,4'-DIAMINODIPHENYLMETHANE	<1.00	ug/L	-	1.00
PX/40053-02	USEPA8270	3,3'-DICHLOROBENZIDINE	<1.00	ug/L	-	1.00
PX/40053-02	USEPA8270	3,3'-DIMETHOXYBENZIDINE	<1.00	ug/L	-	1.00
PX/40053-02	USEPA8270	3,3'-DIMETHYLBENZIDINE	<1.00	ug/L	-	1.00
REMARK						

Page (9of41)



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 0349435



Laboratory of Environmental Analysis

TEST REPORT

Sample : Untreated water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/40053-02	USEPA8270	4,4'-METHYLENEDI-O-TOLUIDINE	<1.00	ug/L	-	1.00
PX/40053-02	USEPA8270	P-CRESIDINE	<1.00	ug/L	-	1.00
PX/40053-02	USEPA8270	4,4'-METHYLENE-BIS-(2-CHLOROANILINE)	<1.00	ug/L	-	1.00
PX/40053-02	USEPA8270	4,4'-OXYDIANILINE	<1.00	ug/L	-	1.00
PX/40053-02	USEPA8270	4,4'-THIODIANILINE	<1.00	ug/L	-	1.00
PX/40053-02	USEPA8270	O-TOLUIDINE	<1.00	ug/L	-	1.00
PX/40053-02	USEPA8270	4-METHYL-M-PHENYLENEDIAMINE	<1.00	ug/L	-	1.00
PX/40053-02	USEPA8270	2,4,5-TRIMETHYLANILINE	<1.00	ug/L	-	1.00
PX/40053-02	USEPA8270	O-ANISIDINE	<1.00	ug/L	-	1.00
PX/40053-02	USEPA8270	4-AMINOAZOBENZENE	<1.00	ug/L	-	1.00
PX/40053-02	USEPA8270	2,4-XYLIDINE	<1.00	ug/L	-	1.00
PX/40053-02	USEPA8270	2,6-XYLIDINE	<1.00	ug/L	-	1.00
PX/40053-02	USEPA8270	ANILINE	<1.00	ug/L	-	1.00
Chlorobenzenes						
PX/40053-02	USEPA8260	Chlorobenzene	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8260	1,2-Dichlorobenzene	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8260	1,3-Dichlorobenzene	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8260	1,4-Dichlorobenzene	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8260	1,2,4-Trichlorobenzene	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8260	1,2,3-Trichlorobenzene,	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8260	1,3,5-Trichlorobenzene	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8270SIM	1,2,3,4-Tetrachlorobenzene	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8270SIM	1,2,3,5-Tetrachlorobenzene	<5.00	ug/L	-	5.00
REMARK						

Page (10of41)



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 0349436



Laboratory of Environmental Analysis
TEST REPORT

Sample : Untreated water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/40053-02	USEPA8270SIM	1,2,4,5-Tetrachlorobenzene	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8270SIM	Pentachlorobenzene	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8270SIM	Hexachlorobenzene	<5.00	ug/L	-	5.00
Chlorinated solvents						
PX/40053-02	USEPA8260	Methylene chloride	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8260	Tetrachloroethene	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8260	Trichloroethene	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8260	1,1,2-Trichloroethane	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8260	Carbon tetrachloride	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8260	Chloroform	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8260	1,2-Dichloroethane	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8260	1,1-Dichloroethane	<5.00	ug/L	-	5.00
Chlorophenols						
PX/40053-02	USEPA8270SIM	2-Chlorophenol	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8270SIM	2,4-Dichlorophenol	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8270SIM	2,5-Dichlorophenol	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8270SIM	2,3-Dichlorophenol	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8270SIM	3-Chlorophenol	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8270SIM	4-Chlorophenol	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8270SIM	2,6-Dichlorophenol	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8270SIM	2,3,5-Trichlorophenol	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8270SIM	2,4,6-Trichlorophenol	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8270SIM	2,4,5-Trichlorophenol	<5.00	ug/L	-	5.00
REMARK						

Page (11 of 41)



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 0349437



Laboratory of Environmental Analysis

TEST REPORT

Sample : Untreated water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/40053-02	USEPA8270SIM	2,3,4-Trichlorophenol	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8270SIM	3,5-Dichlorophenol	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8270SIM	3,4-Dichlorophenol	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8270SIM	2,3,5,6-Tetrachlorophenol	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8270SIM	2,3,4,5-Tetrachlorophenol	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8270SIM	2,3,4,6-Trichlorophenol	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8270SIM	3,4,5-Trichlorophenol	<5.00	ug/L	-	5.00
PX/40053-02	USEPA8270SIM	Pentachlorophenol	<5.00	ug/L	-	5.00
Organotin Compounds						
PX/40053-02	ISO 17353 (GC/MS)	Monobutyltin	<0.1	ug/L	-	0.1
PX/40053-02	ISO 17353 (GC/MS)	Dibutyltin	<0.1	ug/L	-	0.1
PX/40053-02	ISO 17353 (GC/MS)	Tributyltin	<0.1	ug/L	-	0.1
PX/40053-02	ISO 17353 (GC/MS)	Diocetyl tin	<0.1	ug/L	-	0.1
PX/40053-02	ISO 17353 (GC/MS)	Triphenyltin	<0.1	ug/L	-	0.1
PX/40053-02	ISO 17353 (GC/MS)	Tricyclohexyltin	<0.1	ug/L	-	0.1
PX/40053-02	ISO 17353 (GC/MS)	Triocetyl tin	<0.1	ug/L	-	0.1
PX/40053-02	ISO 17353 (GC/MS)	Tripropyltin	<0.1	ug/L	-	0.1
Short Chain Chlorinated(SCCP) with C10-C13						
PX/40053-02	USEPA 8082(GC/ECD)	(SCCP) with C10-C13	<10.0	ug/L	-	10.0
APEO						
PX/40053-02	Dichloromethane extraction /(GC/MS)	Nonylphenol	<5.00	ug/L	-	5.00
PX/40053-02	Dichloromethane extraction /(GC/MS)	Octylphenol	<5.00	ug/L	-	5.00
REMARK						

Page (12of41)



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 0349438



Laboratory of Environmental Analysis

TEST REPORT

Sample : Untreated water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/40053-02	Dichloromethane extraction /(GC/MS)	Nonylphenol monoethoxylates, NP1EO	<5.00	ug/L	-	5.00
PX/40053-02	Dichloromethane extraction /(GC/MS)	Nonylphenol diethoxylates NP2EO				
PX/40053-02	Dichloromethane extraction /(GC/MS)	Octylphenol monoethoxylates, OP1EO	<5.00	ug/L	-	5.00
PX/40053-02	Dichloromethane extraction /(GC/MS)	Octylphenol diethoxylates, OP2EO				
PX/40053-02	SolidPhaseExtraction/(LC/MS)	Nonylphenoethoxylates, n=4 to n=15	37.6	ug/L	-	1.00
PX/40053-02	SolidPhaseExtraction/(LC/MS)	Octylphenoethoxylates, n=4 to n= 15	<1.00	ug/L	-	1.00
PFCs						
PX/40053-02	USEPA 3535A /(LC/MS)	perfluorooctanoic acid (PFOA)	<1.00	ug/L	-	1.00
PX/40053-02	USEPA 3535A /(LC/MS)	perfluorooctane sulfonate (PFOS)	<1.00	ug/L	-	1.00
Heavy Metals						
PX/40053-02	NIEA W313	Arsenic, As	0.00420	mg/L	-	0.00010
PX/40053-02	NIEA W313	Cadmium, Cd	<0.00010	mg/L	-	0.00010
PX/40053-02	NIEA W313	Cobalt, Co	0.00472	mg/L	-	0.00010
PX/40053-02	NIEA W313	Chromium, Cr (total)	0.0395	mg/L	-	0.00010
PX/40053-02	NIEA W320	Chromium, hexavalent, Cr(VI)	ND<0.01	mg/L	0.01	-
PX/40053-02	NIEA W313	Copper, Cu	0.00531	mg/L	-	0.00010
PX/40053-02	NIEA W313	Mercury, Hg	0.00012	mg/L	-	0.00005
PX/40053-02	NIEA W313	Manganese, Mn	0.0802	mg/L	-	0.00010
PX/40053-02	NIEA W313	Nickel, Ni	0.00864	mg/L	-	0.00010
PX/40053-02	NIEA W313	Lead, Pb	0.00266	mg/L	-	0.00010
PX/40053-02	NIEA W313	Antimony, Sb	0.264	mg/L	-	0.00005
PX/40053-02	NIEA W313	Zinc, Zn	0.0848	mg/L	-	0.00010
PX/40053-02	NIEA W410	Cyanide, CN ⁻	ND<0.004	mg/L	0.004	-
REMARK						

Page (13of41)

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 0349439



Laboratory of Environmental Analysis
TEST REPORT

Sample : Treated waste water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
Ortho-phthalates						
PX/40053-03	USEPA8270SIM	bis(2-ethylhexyl) phthalate	<10.0	ug/L	-	10.0
PX/40053-03	USEPA8270SIM	butyl benzyl phthalate	<10.0	ug/L	-	10.0
PX/40053-03	USEPA8270SIM	di-n-butyl phthalate	<10.0	ug/L	-	10.0
PX/40053-03	USEPA8270SIM	diethyl phthalate	<10.0	ug/L	-	10.0
PX/40053-03	USEPA8270SIM	dimethyl phthalate	<10.0	ug/L	-	10.0
PX/40053-03	USEPA8270SIM	di-n-octyl phthalate	<10.0	ug/L	-	10.0
PX/40053-03	USEPA8270SIM	di-isononyl phthalate	<10.0	ug/L	-	10.0
PX/40053-03	USEPA8270SIM	di-iso-decyl phthalate	<10.0	ug/L	-	10.0
PX/40053-03	USEPA8270SIM	di-isobutyl phthalate	<10.0	ug/L	-	10.0
PX/40053-03	USEPA8270SIM	di-n-hexyl phthalate	<10.0	ug/L	-	10.0
PX/40053-03	USEPA8270SIM	Di-n-Propyl Phthalate (DPRP)	<10.0	ug/L	-	10.0
PX/40053-03	USEPA8270SIM	Di-cyclohexyl Phthalate (DCHP)	<10.0	ug/L	-	10.0
PX/40053-03	USEPA8270SIM	Dinonyl Phthalate (DNP)	<10.0	ug/L	-	10.0
PX/40053-03	USEPA8270SIM	Di-iso-octyl Phthalate (DIOP)	<10.0	ug/L	-	10.0
PX/40053-03	USEPA8270SIM	Dimethoxyethyl Phthalate (DMEP)	<10.0	ug/L	-	10.0
Brominated Flame retardants						
PX/40053-03	USEPA 527 (GC/MS)	Polybromobiphenyls(PBBs)	<0.5	ug/L	-	0.5
PX/40053-03	USEPA 527 (GC/MS)	4-PBDE	<0.05	ug/L	-	0.05
PX/40053-03	USEPA 527 (GC/MS)	5-PBDE	<0.05	ug/L	-	0.05
PX/40053-03	USEPA 527 (GC/MS)	6-PBDE	<0.05	ug/L	-	0.05
PX/40053-03	USEPA 527 (GC/MS)	7-PBDE	<0.05	ug/L	-	0.05
PX/40053-03	USEPA 527 (GC/MS)	8-PBDE	<0.05	ug/L	-	0.05
REMARK						

Page (14of41)

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 0349440



Laboratory of Environmental Analysis

TEST REPORT

Sample : Treated waste water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/40053-03	USEPA 527 (GC/MS)	9-PBDE	<0.05	ug/L	-	0.05
PX/40053-03	USEPA 527 (GC/MS)	10-PBDE	<0.05	ug/L	-	0.05
PX/40053-03	USEPA 527 (GC/MS)	Tris(2,3-dibromopropyl) phosphate (TRIS)	<0.5	ug/L	-	0.5
PX/40053-03	USEPA 527 (GC/MS)	Tetrabromobisphenol A (TBBPA)	<0.5	ug/L	-	0.5
PX/40053-03	USEPA 527 (GC/MS)	Bis(2,3-dibromopropyl) phosphate	<20.0	ug/L	-	20.0
PX/40053-03	USEPA 527 (GC/MS)	Hexabromocyclododecane (HBCDD)	<0.5	ug/L	-	0.5
PX/40053-03	USEPA 527 (GC/MS)	2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)	<20.0	ug/L	-	20.0
Chlorinated Flame Retardants						
PX/40053-03	USEPA 527 (GC/MS)	Tris(2-chloroethyl) phosphate (TCEP)	<0.5	ug/L	-	0.5
PX/40053-03	USEPA 527 (GC/MS)	Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	<0.5	ug/L	-	0.5
Azo dyes						
PX/40053-03	USEPA8270	4-AMINOBIIPHENYL	<1.00	ug/L	-	1.00
PX/40053-03	USEPA8270	BENZIDINE	<1.00	ug/L	-	1.00
PX/40053-03	USEPA8270	4-CHLORO-O-TOLUIDINE	<1.00	ug/L	-	1.00
PX/40053-03	USEPA8270	2-NAPHTHYLAMINE	<1.00	ug/L	-	1.00
PX/40053-03	USEPA8270	O-AMINOAZOTOLUENE	<1.00	ug/L	-	1.00
PX/40053-03	USEPA8270	5-NITRO-O-TOLUIDINE	<1.00	ug/L	-	1.00
PX/40053-03	USEPA8270	4-CHLOROANILINE	<1.00	ug/L	-	1.00
PX/40053-03	USEPA8270	4-METHOXY-M-PHENYLENEDIAMINE	<1.00	ug/L	-	1.00
PX/40053-03	USEPA8270	4,4'-DIAMINODIPHENYLMETHANE	<1.00	ug/L	-	1.00
PX/40053-03	USEPA8270	3,3'-DICHLOBENZIDINE	<1.00	ug/L	-	1.00
PX/40053-03	USEPA8270	3,3'-DIMETHOXYBENZIDINE	<1.00	ug/L	-	1.00
PX/40053-03	USEPA8270	3,3'-DIMETHYLBENZIDINE	<1.00	ug/L	-	1.00
REMARK						

Page (15of41)



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 0349441



Laboratory of Environmental Analysis

TEST REPORT

Sample : Treated waste water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/40053-03	USEPA8270	4,4'-METHYLENEDI-O-TOLUIDINE	<1.00	ug/L	-	1.00
PX/40053-03	USEPA8270	P-CRESIDINE	<1.00	ug/L	-	1.00
PX/40053-03	USEPA8270	4,4'-METHYLENE-BIS-(2-CHLOROANILINE)	<1.00	ug/L	-	1.00
PX/40053-03	USEPA8270	4,4'-OXYDIANILINE	<1.00	ug/L	-	1.00
PX/40053-03	USEPA8270	4,4'-THIODIANILINE	<1.00	ug/L	-	1.00
PX/40053-03	USEPA8270	O-TOLUIDINE	<1.00	ug/L	-	1.00
PX/40053-03	USEPA8270	4-METHYL-M-PHENYLENEDIAMINE	<1.00	ug/L	-	1.00
PX/40053-03	USEPA8270	2,4,5-TRIMETHYLANILINE	<1.00	ug/L	-	1.00
PX/40053-03	USEPA8270	O-ANISIDINE	<1.00	ug/L	-	1.00
PX/40053-03	USEPA8270	4-AMINOAZOBENZENE	<1.00	ug/L	-	1.00
PX/40053-03	USEPA8270	2,4-XYLIDINE	<1.00	ug/L	-	1.00
PX/40053-03	USEPA8270	2,6-XYLIDINE	<1.00	ug/L	-	1.00
PX/40053-03	USEPA8270	ANILINE	<1.00	ug/L	-	1.00
Chlorobenzenes						
PX/40053-03	USEPA8260	Chlorobenzene	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8260	1,2-Dichlorobenzene	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8260	1,3-Dichlorobenzene	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8260	1,4-Dichlorobenzene	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8260	1,2,4-Trichlorobenzene	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8260	1,2,3-Trichlorobenzene,	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8260	1,3,5-Trichlorobenzene	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8270SIM	1,2,3,4-Tetrachlorobenzene	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8270SIM	1,2,3,5-Tetrachlorobenzene	<5.00	ug/L	-	5.00
REMARK						

Page (16of41)

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 0349442

SGS Taiwan Ltd.
台灣檢驗科技股份有限公司

136-1, Wu Kung Road, Wu Ku District, New Taipei City, Taiwan / 新北市五股區五工路136-1號

t (886-2) 2299-3939

f (886-2) 2299-3230

www.sgs.tw

Member of SGS Group



Laboratory of Environmental Analysis
TEST REPORT

Sample : Treated waste water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/40053-03	USEPA8270SIM	1,2,4,5-Tetrachlorobenzene	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8270SIM	Pentachlorobenzene	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8270SIM	Hexachlorobenzene	<5.00	ug/L	-	5.00
Chlorinated solvents						
PX/40053-03	USEPA8260	Methylene chloride	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8260	Tetrachloroethene	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8260	Trichloroethene	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8260	1,1,2-Trichloroethane	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8260	Carbon tetrachloride	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8260	Chloroform	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8260	1,2-Dichloroethane	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8260	1,1-Dichloroethane	<5.00	ug/L	-	5.00
Chlorophenols						
PX/40053-03	USEPA8270SIM	2-Chlorophenol	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8270SIM	2,4-Dichlorophenol	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8270SIM	2,5-Dichlorophenol	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8270SIM	2,3-Dichlorophenol	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8270SIM	3-Chlorophenol	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8270SIM	4-Chlorophenol	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8270SIM	2,6-Dichlorophenol	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8270SIM	2,3,5-Trichlorophenol	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8270SIM	2,4,6-Trichlorophenol	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8270SIM	2,4,5-Trichlorophenol	<5.00	ug/L	-	5.00
REMARK						

Page (17of41)

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 0349443



Laboratory of Environmental Analysis
TEST REPORT

Sample : Treated waste water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/40053-03	USEPA8270SIM	2,3,4-Trichlorophenol	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8270SIM	3,5-Dichlorophenol	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8270SIM	3,4-Dichlorophenol	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8270SIM	2,3,5,6-Tetrachlorophenol	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8270SIM	2,3,4,5-Tetrachlorophenol	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8270SIM	2,3,4,6-Trichlorophenol	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8270SIM	3,4,5-Trichlorophenol	<5.00	ug/L	-	5.00
PX/40053-03	USEPA8270SIM	Pentachlorophenol	<5.00	ug/L	-	5.00
Organotin Compounds						
PX/40053-03	ISO 17353 (GC/MS)	Monobutyltin	<0.1	ug/L	-	0.1
PX/40053-03	ISO 17353 (GC/MS)	Dibutyltin	<0.1	ug/L	-	0.1
PX/40053-03	ISO 17353 (GC/MS)	Tributyltin	<0.1	ug/L	-	0.1
PX/40053-03	ISO 17353 (GC/MS)	Diocetyl tin	<0.1	ug/L	-	0.1
PX/40053-03	ISO 17353 (GC/MS)	Triphenyltin	<0.1	ug/L	-	0.1
PX/40053-03	ISO 17353 (GC/MS)	Tricyclohexyltin	<0.1	ug/L	-	0.1
PX/40053-03	ISO 17353 (GC/MS)	Triocetyl tin	<0.1	ug/L	-	0.1
PX/40053-03	ISO 17353 (GC/MS)	Tripropyltin	<0.1	ug/L	-	0.1
Short Chain Chlorinated(SCCP) with C10-C13						
PX/40053-03	USEPA 8082(GC/ECD)	(SCCP) with C10-C13	<10.0	ug/L	-	10.0
APEO						
PX/40053-03	Dichloromethane extraction /(GC/MS)	Nonylphenol	7.38	ug/L	-	5.00
PX/40053-03	Dichloromethane extraction /(GC/MS)	Octylphenol	<5.00	ug/L	-	5.00
REMARK						

Page (18of41)



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 0349444



Laboratory of Environmental Analysis
TEST REPORT

Sample : Treated waste water

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/40053-03	Dichloromethane extraction /(GC/MS)	Nonylphenol monoethoxylates, NP1EO	<5.00	ug/L	-	5.00
PX/40053-03	Dichloromethane extraction /(GC/MS)	Nonylphenol diethoxylates NP2EO				
PX/40053-03	Dichloromethane extraction /(GC/MS)	Octylphenol monoethoxylates, OP1EO	<5.00	ug/L	-	5.00
PX/40053-03	Dichloromethane extraction /(GC/MS)	Octylphenol diethoxylates, OP2EO				
PX/40053-03	SolidPhaseExtraction/(LC/MS)	Nonylphenoethoxylates, n=4 to n=15	<1.00	ug/L	-	1.00
PX/40053-03	SolidPhaseExtraction/(LC/MS)	Octylphenoethoxylates, n=4 to n= 15	<1.00	ug/L	-	1.00
PFCs						
PX/40053-03	USEPA 3535A /(LC/MS)	perfluorooctanoic acid (PFOA)	<1.00	ug/L	-	1.00
PX/40053-03	USEPA 3535A /(LC/MS)	perfluorooctane sulfonate (PFOS)	<1.00	ug/L	-	1.00
General Chemistry						
PX/40053-03	NIEA W424	pH	7.2(22.6°C)	-	-	-
PX/40053-03	NIEA W510	BOD(5-DAY)	10.1	mg/L	1.0	-
PX/40053-03	NIEA W515	COD	51.3	mg/L	2.0	-
PX/40053-03	NIEA W208	Total Hardness	75.0	mg/L	1.7	-
PX/40053-03	NIEA W521	Total phenolics	ND<0.0009	mg/L	0.0009	-
PX/40053-03	NIEA W433	sulfide	<0.04(0.01)	mg/L	0.01	-
PX/40053-03	NIEA W210	TSS	15.8	mg/L	1.0	-
PX/40053-03	NIEA W210	TDS	870	mg/L	5.0	-
PX/40053-03	NIEA W223	True Color	78	mg/L	25	-
Heavy Metals						
PX/40053-03	NIEA W313	Arsenic, As	0.00166	mg/L	-	0.00010
PX/40053-03	NIEA W313	Cadmium, Cd	<0.00010	mg/L	-	0.00010
PX/40053-03	NIEA W313	Cobalt, Co	0.00141	mg/L	-	0.00010
REMARK						

Page (19of41)

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 0349445



Laboratory of Environmental Analysis
TEST REPORT

Sample : Sludge

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
Ortho-phthalates						
PX/40053-04	USEPA8270SIM	bis(2-ethylhexyl) phthalate	1.33	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	butyl benzyl phthalate	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	di-n-butyl phthalate	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	diethyl phthalate	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	dimethyl phthalate	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	di-n-octyl phthalate	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	di-isononyl phthalate	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	di-iso-decyl phthalate	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	di-isobutyl phthalate	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	di-n-hexyl phthalate	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	Di-n-Propyl Phthalate (DPRP)	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	Di-cyclohexyl Phthalate (DCHP)	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	Dinonyl Phthalate (DNP)	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	Di-iso-octyl Phthalate (DIOP)	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	Dimethoxyethyl Phthalate (DMEP)	<1.00	mg/kg	-	1.00
Brominated Flame retardants						
PX/40053-04	USEPA 527 (GC/MS)	Polybromobiphenyls(PBBs)	<2.50	mg/kg	-	2.50
PX/40053-04	USEPA 527 (GC/MS)	4-PBDE	<0.25	mg/kg	-	0.25
PX/40053-04	USEPA 527 (GC/MS)	5-PBDE	<0.25	mg/kg	-	0.25
PX/40053-04	USEPA 527 (GC/MS)	6-PBDE	<0.25	mg/kg	-	0.25
PX/40053-04	USEPA 527 (GC/MS)	7-PBDE	<0.25	mg/kg	-	0.25
PX/40053-04	USEPA 527 (GC/MS)	8-PBDE	<0.25	mg/kg	-	0.25
REMARK						

Page (21of41)

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 0349447



Laboratory of Environmental Analysis
TEST REPORT

Sample : Sludge

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/40053-04	USEPA 527 (GC/MS)	9-PBDE	<0.25	mg/kg	-	0.25
PX/40053-04	USEPA 527 (GC/MS)	10-PBDE	<0.25	mg/kg	-	0.25
PX/40053-04	USEPA 527 (GC/MS)	Tris(2,3-dibromopropyl) phosphate (TRIS)	<2.50	mg/kg	-	2.50
PX/40053-04	USEPA 527 (GC/MS)	Tetrabromobisphenol A (TBBPA)	<2.50	mg/kg	-	2.50
PX/40053-04	USEPA 527 (GC/MS)	Bis(2,3-dibromopropyl) phosphate	<75.0	mg/kg	-	75.0
PX/40053-04	USEPA 527 (GC/MS)	Hexabromocyclododecane (HBCDD)	<2.50	mg/kg	-	2.50
PX/40053-04	USEPA 527 (GC/MS)	2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)	<75.0	mg/kg	-	75.0
Chlorinated Flame Retardants						
PX/40053-04	USEPA 527 (GC/MS)	Tris(2-chloroethyl) phosphate (TCEP)	<2.50	mg/kg	-	2.50
PX/40053-04	USEPA 527 (GC/MS)	Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	<2.50	mg/kg	-	2.50
Azo dyes						
PX/40053-04	USEPA8270	4-AMINOBIIPHENYL	<0.50	mg/kg	-	0.50
PX/40053-04	USEPA8270	BENZIDINE	<0.50	mg/kg	-	0.50
PX/40053-04	USEPA8270	4-CHLORO-O-TOLUIDINE	<0.50	mg/kg	-	0.50
PX/40053-04	USEPA8270	2-NAPHTHYLAMINE	<0.50	mg/kg	-	0.50
PX/40053-04	USEPA8270	O-AMINOAZOTOLUENE	<0.50	mg/kg	-	0.50
PX/40053-04	USEPA8270	5-NITRO-O-TOLUIDINE	<0.50	mg/kg	-	0.50
PX/40053-04	USEPA8270	4-CHLOROANILINE	<0.50	mg/kg	-	0.50
PX/40053-04	USEPA8270	4-METHOXY-M-PHENYLENEDIAMINE	<0.50	mg/kg	-	0.50
PX/40053-04	USEPA8270	4,4'-DIAMINODIPHENYLMETHANE	<0.50	mg/kg	-	0.50
PX/40053-04	USEPA8270	3,3'-DICHLOROBENZIDINE	<0.50	mg/kg	-	0.50
PX/40053-04	USEPA8270	3,3'-DIMETHOXYBENZIDINE	<0.50	mg/kg	-	0.50
PX/40053-04	USEPA8270	3,3'-DIMETHYLBENZIDINE	<0.50	mg/kg	-	0.50
REMARK						

Page (22of41)



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 0349448



Laboratory of Environmental Analysis
TEST REPORT

Sample : Sludge

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/40053-04	USEPA8270	4,4'-METHYLENEDI-O-TOLUIDINE	<0.50	mg/kg	-	0.50
PX/40053-04	USEPA8270	P-CRESIDINE	<0.50	mg/kg	-	0.50
PX/40053-04	USEPA8270	4,4'-METHYLENE-BIS-(2-CHLOROANILINE)	<0.50	mg/kg	-	0.50
PX/40053-04	USEPA8270	4,4'-OXYDIANILINE	<0.50	mg/kg	-	0.50
PX/40053-04	USEPA8270	4,4'-THIODIANILINE	<0.50	mg/kg	-	0.50
PX/40053-04	USEPA8270	O-TOLUIDINE	<0.50	mg/kg	-	0.50
PX/40053-04	USEPA8270	4-METHYL-M-PHENYLENEDIAMINE	<0.50	mg/kg	-	0.50
PX/40053-04	USEPA8270	2,4,5-TRIMETHYLANILINE	<0.50	mg/kg	-	0.50
PX/40053-04	USEPA8270	O-ANISIDINE	<0.50	mg/kg	-	0.50
PX/40053-04	USEPA8270	4-AMINOAZOBENZENE	<0.50	mg/kg	-	0.50
PX/40053-04	USEPA8270	2,4-XYLIDINE	<0.50	mg/kg	-	0.50
PX/40053-04	USEPA8270	2,6-XYLIDINE	<0.50	mg/kg	-	0.50
PX/40053-04	USEPA8270	ANILINE	<0.50	mg/kg	-	0.50
Chlorobenzenes						
PX/40053-04	USEPA8260	Chlorobenzene	<0.40	mg/kg	-	0.40
PX/40053-04	USEPA8260	1,2-Dichlorobenzene	<0.40	mg/kg	-	0.40
PX/40053-04	USEPA8260	1,3-Dichlorobenzene	<0.40	mg/kg	-	0.40
PX/40053-04	USEPA8260	1,4-Dichlorobenzene	<0.40	mg/kg	-	0.40
PX/40053-04	USEPA8260	1,2,4-Trichlorobenzene	<0.40	mg/kg	-	0.40
PX/40053-04	USEPA8260	1,2,3-Trichlorobenzene,	<0.40	mg/kg	-	0.40
PX/40053-04	USEPA8260	1,3,5-Trichlorobenzene	<0.40	mg/kg	-	0.40
PX/40053-04	USEPA8270SIM	1,2,3,4-Tetrachlorobenzene	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	1,2,3,5-Tetrachlorobenzene	<1.00	mg/kg	-	1.00
REMARK						

Page (23of41)

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 0349449



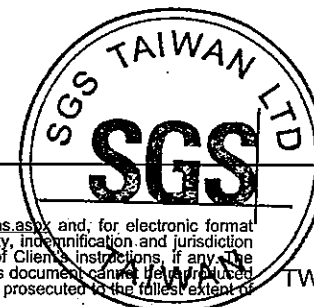
Laboratory of Environmental Analysis
TEST REPORT

Sample : Sludge

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/40053-04	USEPA8270SIM	1,2,4,5-Tetrachlorobenzene	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	Pentachlorobenzene	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	Hexachlorobenzene	<1.00	mg/kg	-	1.00
Chlorinated solvents						
PX/40053-04	USEPA8260	Methylene chloride	<0.40	mg/kg	-	0.40
PX/40053-04	USEPA8260	Tetrachloroethene	<0.40	mg/kg	-	0.40
PX/40053-04	USEPA8260	Trichloroethene	<0.40	mg/kg	-	0.40
PX/40053-04	USEPA8260	1,1,2-Trichloroethane	<0.40	mg/kg	-	0.40
PX/40053-04	USEPA8260	Carbon tetrachloride	<0.40	mg/kg	-	0.40
PX/40053-04	USEPA8260	Chloroform	<0.40	mg/kg	-	0.40
PX/40053-04	USEPA8260	1,2-Dichloroethane	<0.40	mg/kg	-	0.40
PX/40053-04	USEPA8260	1,1-Dichloroethane	<0.40	mg/kg	-	0.40
Chlorophenols						
PX/40053-04	USEPA8270SIM	2-Chlorophenol	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	2,4-Dichlorophenol	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	2,5-Dichlorophenol	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	2,3-Dichlorophenol	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	3-Chlorophenol	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	4-Chlorophenol	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	2,6-Dichlorophenol	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	2,3,5-Trichlorophenol	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	2,4,6-Trichlorophenol	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	2,4,5-Trichlorophenol	<1.00	mg/kg	-	1.00
REMARK						

Page (24of41)

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 0349450



Laboratory of Environmental Analysis
TEST REPORT

Sample : Sludge

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/40053-04	USEPA8270SIM	2,3,4-Trichlorophenol	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	3,5-Dichlorophenol	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	3,4-Dichlorophenol	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	2,3,5,6-Tetrachlorophenol	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	2,3,4,5-Tetrachlorophenol	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	2,3,4,6-Trichlorophenol	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	3,4,5-Trichlorophenol	<1.00	mg/kg	-	1.00
PX/40053-04	USEPA8270SIM	Pentachlorophenol	<1.00	mg/kg	-	1.00
Organotin Compounds						
PX/40053-04	ISO 17353 (GC/MS)	Monobutyltin	<0.002	mg/kg	-	0.002
PX/40053-04	ISO 17353 (GC/MS)	Dibutyltin	<0.002	mg/kg	-	0.002
PX/40053-04	ISO 17353 (GC/MS)	Tributyltin	<0.002	mg/kg	-	0.002
PX/40053-04	ISO 17353 (GC/MS)	Diocetyl tin	<0.002	mg/kg	-	0.002
PX/40053-04	ISO 17353 (GC/MS)	Triphenyltin	<0.002	mg/kg	-	0.002
PX/40053-04	ISO 17353 (GC/MS)	Tricyclohexyltin	<0.002	mg/kg	-	0.002
PX/40053-04	ISO 17353 (GC/MS)	Triocetyl tin	<0.002	mg/kg	-	0.002
PX/40053-04	ISO 17353 (GC/MS)	Tripropyltin	<0.002	mg/kg	-	0.002
Short Chain Chlorinated(SCCP) with C10-C13						
PX/40053-04	USEPA 8082(GC/ECD)	(SCCP) with C10-C13	<4.00	mg/kg	-	4.00
APEO						
PX/40053-04	Dichloromethane extraction /(GC/MS)	Nonylphenol	<25.0	mg/kg	-	25.0
PX/40053-04	Dichloromethane extraction /(GC/MS)	Octylphenol	<25.0	mg/kg	-	25.0
REMARK						

Page (25of41)

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 0349451



Laboratory of Environmental Analysis
TEST REPORT

Sample : Sludge

Lab Sample ID	Analysis Method	Analyte	Result	Units	MDL	RL
PX/40053-04	Dichloromethane extraction /(GC/MS)	Nonylphenol monoethoxylates, NP1EO	<25.0	mg/kg	-	25.0
PX/40053-04	Dichloromethane extraction /(GC/MS)	Nonylphenol diethoxylates NP2EO				
PX/40053-04	Dichloromethane extraction /(GC/MS)	Octylphenol monoethoxylates, OP1EO	<25.0	mg/kg	-	25.0
PX/40053-04	Dichloromethane extraction /(GC/MS)	Octylphenol diethoxylates, OP2EO				
PX/40053-04	SolidPhaseExtraction/(LC/MS)	Nonylphenoethoxylates, n=4 to n=15	<0.02	mg/kg	-	0.02
PX/40053-04	SolidPhaseExtraction/(LC/MS)	Octylphenoethoxylates, n=4 to n=15	<0.02	mg/kg	-	0.02
PFCs						
PX/40053-04	USEPA 3535A /(LC/MS)	perfluorooctanoic acid (PFOA)	<0.01	mg/kg	-	0.01
PX/40053-04	USEPA 3535A /(LC/MS)	perfluorooctane sulfonate (PFOS)	<0.01	mg/kg	-	0.01
Heavy Metals						
PX/40053-04	NIEA S310	Arsenic, As	20.7	mg/kg	0.102	-
PX/40053-04	NIEA R355	Cadmium, Cd	<10.0	mg/kg	-	10.0
PX/40053-04	JIS K0102-67.2	Cyanide, CN ⁻	4.83	mg/kg	-	0.29
PX/40053-04	NIEA R355	Cobalt, Co	<10.0	mg/kg	-	10.0
PX/40053-04	NIEA R355	Chromium, Cr (total)	107	mg/kg	-	10.0
PX/40053-04	NIEA T303	Chromium, hexavalent, Cr(VI)	<0.50	mg/kg	-	0.50
PX/40053-04	NIEA R355	Copper, Cu	25.8	mg/kg	-	10.0
PX/40053-04	NIEA M317	Mercury, Hg	0.385	mg/kg	0.037	-
PX/40053-04	NIEA R355	Manganese, Mn	180	mg/kg	-	10.0
PX/40053-04	NIEA R355	Nickel, Ni	18.8	mg/kg	-	10.0
PX/40053-04	NIEA R355	Lead, Pb	21.4	mg/kg	-	10.0
PX/40053-04	NIEA S410	pH	7.0(25.1℃)	-	-	-
PX/40053-04	NIEA R355	Zinc, Zn	286	mg/kg	-	10.0
PX/40053-04	NIEA S280	Moisture	17.7	%	-	-
PX/40053-04	NIEA R355	Antimony, Sb	156	mg/kg	-	10.0
REMARK						

Page (26of41)

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 the 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.

SGS Taiwan Ltd.
台灣檢驗科技股份有限公司

136-1, Wu Kung Road, Wu Ku District, New Taipei City, Taiwan / 新北市五股區五工路136-1號

☎ (886-2) 2299-3939

☎ (886-2) 2299-3230

www.sgs.tw

Member of SGS Group



TWB 0349452

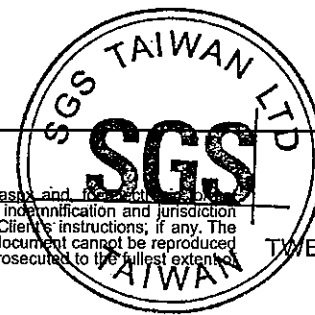
1002

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/40053-01~03	USEPA8270SIM	bis(2-ethylhexyl) phthalate	LCS	96.6%	60	140
PX/40053-01~03	USEPA8270SIM	butyl benzyl phthalate	LCS	99.7%	60	140
PX/40053-01~03	USEPA8270SIM	di-n-butyl phthalate	LCS	98.5%	60	140
PX/40053-01~03	USEPA8270SIM	diethyl phthalate	LCS	97.5%	60	140
PX/40053-01~03	USEPA8270SIM	dimethyl phthalate	LCS	94.8%	60	140
PX/40053-01~03	USEPA8270SIM	di-n-octyl phthalate	LCS	100.4%	60	140
PX/40053-01~03	USEPA8270SIM	di-isononyl phthalate	LCS	93.9%	60	140
PX/40053-01~03	USEPA8270SIM	di-iso-decyl phthalate	LCS	103.0%	60	140
PX/40053-01~03	USEPA8270SIM	di-isobutyl phthalate	LCS	99.3%	60	140
PX/40053-01~03	USEPA8270SIM	di-n-hexyl phthalate	LCS	97.2%	60	140
PX/40053-01~03	USEPA8270SIM	Di-n-Propyl Phthalate (DPRP)	LCS	98.1%	60	140
PX/40053-01~03	USEPA8270SIM	Di-cyclohexyl Phthalate (DCHP)	LCS	87.4%	60	140
PX/40053-01~03	USEPA8270SIM	Dinonyl Phthalate (DNP)	LCS	103.0%	60	140
PX/40053-01~03	USEPA8270SIM	Di-iso-octyl Phthalate (DIOP)	LCS	104.7%	60	140
PX/40053-01~03	USEPA8270SIM	Dimethoxyethyl Phthalate (DMEP)	LCS	102.8%	60	140
Brominated Flame retardants						
PX/40053-01~03	USEPA 527 (GC/MS)	3-PBDE	LCS	66.0%	-	-
PX/40053-01~03	USEPA 527 (GC/MS)	4-PBDE	LCS	66.6%	-	-
PX/40053-01~03	USEPA 527 (GC/MS)	5-PBDE	LCS	65.2%	-	-
REMARK						

Page (27of41)

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 0349453

Laboratory of Environmental Analysis QA/QC REPORT

Lab Sample ID	Analysis Method	Analyte	QA/QC Type	Recovery	Lower Control Limit	Upper Control Limit
PX/40053-01~03	USEPA 527 (GC/MS)	6-PBDE	LCS	69.5%	-	-
PX/40053-01~03	USEPA 527 (GC/MS)	7-PBDE	LCS	74.2%	-	-
PX/40053-01~03	USEPA 527 (GC/MS)	10-PBDE	LCS	95.8%	-	-
PX/40053-01~03	USEPA 527 (GC/MS)	Tris(2,3-dibromopropyl) phosphate (TRIS)	LCS	108.2%	-	-
PX/40053-01~03	USEPA 527 (GC/MS)	Tetrabromobisphenol A (TBBPA)	LCS	116.3%	-	-
PX/40053-01~03	USEPA 527 (GC/MS)	Bis(2,3-dibromopropyl) phosphate	LCS	123.0%	-	-
PX/40053-01~03	USEPA 527 (GC/MS)	Hexabromocyclododecane (HBCDD)	LCS	111.2%	-	-
PX/40053-01~03	USEPA 527 (GC/MS)	2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)	LCS	101.5%	-	-
Chlorinated Flame Retardants						
PX/40053-01~03	USEPA 527 (GC/MS)	Tris(2-chloroethyl) phosphate (TCEP)	LCS	110.7%	-	-
PX/40053-01~03	USEPA 527 (GC/MS)	Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	LCS	108.1%	-	-
Azo dyes						
PX/40053-01~03	USEPA8270	4-AMINOBIIPHENYL	LCS	45.0%	-	-
PX/40053-01~03	USEPA8270	BENZIDINE	LCS	24.0%	-	-
PX/40053-01~03	USEPA8270	4-CHLORO-O-TOLUIDINE	LCS	43.0%	-	-
PX/40053-01~03	USEPA8270	2-NAPHTHYLAMINE	LCS	44.0%	-	-
PX/40053-01~03	USEPA8270	4-CHLOROANILINE	LCS	42.0%	-	-
PX/40053-01~03	USEPA8270	4,4'-DIAMINODIPHENYLMETHANE	LCS	20.0%	-	-
PX/40053-01~03	USEPA8270	3,3'-DICHLOOROBENZIDINE	LCS	54.0%	-	-
PX/40053-01~03	USEPA8270	3,3'-DIMETHOXYBENZIDINE	LCS	15.0%	-	-
REMARK						

Page (28of41)

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.



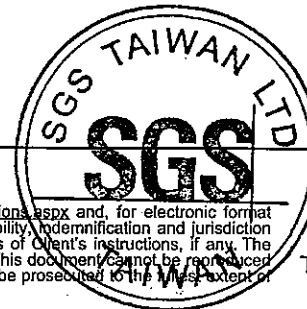
TWB 0349454

Laboratory of Environmental Analysis QA/QC REPORT

Lab Sample ID	Analysis Method	Analyte	QA/QC Type	Recovery	Lower Control Limit	Upper Control Limit
PX/40053-01~03	USEPA8270	3,3'-DIMETHYLBENZIDINE	LCS	30.0%	-	-
PX/40053-01~03	USEPA8270	4,4'-METHYLENEDI-O-TOLUIDINE	LCS	25.0%	-	-
PX/40053-01~03	USEPA8270	P-CRESIDINE	LCS	41.0%	-	-
PX/40053-01~03	USEPA8270	4,4'-METHYLENE-BIS-(2-CHLOROANILINE)	LCS	47.0%	-	-
PX/40053-01~03	USEPA8270	4,4'-OXYDIANILINE	LCS	19.0%	-	-
PX/40053-01~03	USEPA8270	4,4'-THIODIANILINE	LCS	16.0%	-	-
PX/40053-01~03	USEPA8270	O-TOLUIDINE	LCS	48.0%	-	-
PX/40053-01~03	USEPA8270	4-METHYL-M-PHENYLENEDIAMINE	LCS	9.0%	-	-
PX/40053-01~03	USEPA8270	2,4,5-TRIMETHYLANILINE	LCS	38.0%	-	-
PX/40053-01~03	USEPA8270	O-ANISIDINE	LCS	45.0%	-	-
PX/40053-01~03	USEPA8270	4-AMINOAZOBENZENE	LCS	49.0%	-	-
PX/40053-01~03	USEPA8270	2,4-XYLIDINE	LCS	44.0%	-	-
PX/40053-01~03	USEPA8270	2,6-XYLIDINE	LCS	44.0%	-	-
Chlorobenzenes						
PX/40053-01~03	USEPA8260	Chlorobenzene	LCS	90.8%	75	125
PX/40053-01~03	USEPA8260	1,2-Dichlorobenzene	LCS	90.0%	75	125
PX/40053-01~03	USEPA8260	1,3-Dichlorobenzene	LCS	90.8%	75	125
PX/40053-01~03	USEPA8260	1,4-Dichlorobenzene	LCS	90.0%	75	125
PX/40053-01~03	USEPA8260	1,2,4-Trichlorobenzene	LCS	90.8%	75	125
PX/40053-01~03	USEPA8270SIM	1,2,3,4-Tetrachlorobenzene	LCS	94.2%	60	140
REMARK						

Page (29of41)

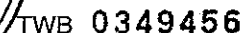
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. 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 0349455



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, where applicable, to the 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 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.



Laboratory of Environmental Analysis QA/QC REPORT

Lab Sample ID	Analysis Method	Analyte	QA/QC Type	Recovery	Lower Control Limit	Upper Control Limit
PX/40053-01~03	USEPA8270SIM	2,3,5-Trichlorophenol	LCS	78.6%	60	140
PX/40053-01~03	USEPA8270SIM	2,4,6-Trichlorophenol	LCS	83.8%	60	140
PX/40053-01~03	USEPA8270SIM	2,4,5-Trichlorophenol	LCS	82.0%	60	140
PX/40053-01~03	USEPA8270SIM	2,3,4-Trichlorophenol	LCS	81.8%	60	140
PX/40053-01~03	USEPA8270SIM	3,5-Dichlorophenol	LCS	86.0%	60	140
PX/40053-01~03	USEPA8270SIM	3,4-Dichlorophenol	LCS	87.2%	60	140
PX/40053-01~03	USEPA8270SIM	2,3,5,6-Tetrachlorophenol	LCS	75.6%	60	140
PX/40053-01~03	USEPA8270SIM	2,3,4,5-Tetrachlorophenol	LCS	75.8%	60	140
PX/40053-01~03	USEPA8270SIM	2,3,4,6-Trichlorophenol	LCS	84.0%	60	140
PX/40053-01~03	USEPA8270SIM	3,4,5-Trichlorophenol	LCS	83.0%	60	140
PX/40053-01~03	USEPA8270SIM	Pentachlorophenol	LCS	85.6%	60	140
Organotin Compounds						
PX/40053-01~03	ISO 17353 (GC/MS)	Monobutyltin	LCS	119.3%	-	-
PX/40053-01~03	ISO 17353 (GC/MS)	Dibutyltin	LCS	22.3%	-	-
PX/40053-01~03	ISO 17353 (GC/MS)	Tributyltin	LCS	15.0%	-	-
PX/40053-01~03	ISO 17353 (GC/MS)	Dioctyltin	LCS	41.0%	-	-
PX/40053-01~03	ISO 17353 (GC/MS)	Triphenyltin	LCS	37.3%	-	-
PX/40053-01~03	ISO 17353 (GC/MS)	Tricyclohexyltin	LCS	49.3%	-	-
PX/40053-01~03	ISO 17353 (GC/MS)	Trioctyltin	LCS	25.0%	-	-
PX/40053-01~03	ISO 17353 (GC/MS)	Tripropyltin	LCS	19.3%	-	-
REMARK						

Page (31 of 41)

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> for 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 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.



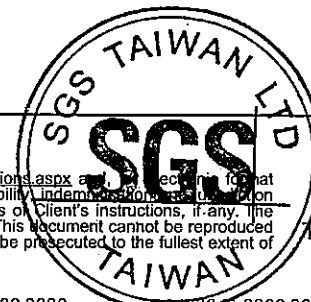
TWB 0349457

Laboratory of Environmental Analysis QA/QC REPORT

Lab Sample ID	Analysis Method	Analyte	QA/QC Type	Recovery	Lower Control Limit	Upper Control Limit
Short Chain Chlorinated(SCCP) with C10-C13						
PX/40053-01~03	USEPA 8082(GC/ECD)	(SCCP) with C10-C13	LCS	119.3%	30	120
APEO						
PX/40053-01~03	Dichloromethane extraction /(GC/MS)	Nonylphenol	LCS	41.0%	-	-
PX/40053-01~03	Dichloromethane extraction /(GC/MS)	Octylphenol	LCS	36.0%	-	-
PX/40053-01~03	Dichloromethane extraction /(GC/MS)	Nonylphenol monoethoxylates, NP1EO	LCS	32.1%	-	-
PX/40053-01~03	Dichloromethane extraction /(GC/MS)	Nonylphenol diethoxylates NP2EO				
PX/40053-01~03	Dichloromethane extraction /(GC/MS)	Octylphenol monoethoxylates, OP1EO	LCS	78.7%	-	-
PX/40053-01~03	Dichloromethane extraction /(GC/MS)	Octylphenol diethoxylates, OP2EO				
PX/40053-01~03	SolidPhaseExtraction/(LC/MS)	Nonylphenolethoxylates, n=4 to n=15	LCS	56.5%	-	-
PX/40053-01~03	SolidPhaseExtraction/(LC/MS)	Octylphenolethoxylates, n=4 to n= 15	LCS	83.5%	-	-
PFCs						
PX/40053-01~03	USEPA 3535A /(LC/MS)	perfluorooctanoic acid (PFOA)	LCS	50.0%	30	120
PX/40053-01~03	USEPA 3535A /(LC/MS)	perfluorooctane sulfonate (PFOS)	LCS	99.0%	30	120
General Chemistry						
PX/40053-03	NIEA W510	BOD(5-DAY)	LCS	104.0%	85	115
PX/40053-03	NIEA W515	COD	LCS	92.8%	85	115
PX/40053-03	NIEA W208	Total Hardness	LCS	99.4%	85	115
PX/40053-03	NIEA W521	Total phenolics	LCS	96.5%	85	115
PX/40053-03	NIEA W433	sulfide	LCS	91.2%	80	120
REMARK						

Page (32of41)

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 is subject to the limitation of liability, indemnification and arbitration clauses 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.



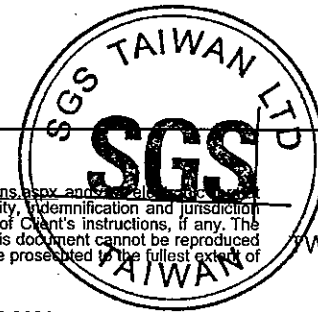
TWB 0349458

Laboratory of Environmental Analysis QA/QC REPORT

Lab Sample ID	Analysis Method	Analyte	QA/QC Type	Recovery	Lower Control Limit	Upper Control Limit
PX/40053-03	NIEA W223	True Color	LCS	97.9%	80	120
PX/40053-03	NIEA W208	Total Hardness	MS	96.2%	80	120
PX/40053-03	NIEA W521	Total phenolics	MS	103.7%	80	120
PX/40053-03	NIEA W433	sulfide	MS	100.6%	75	125
PX/40053-03	NIEA W521	Total phenolics	MSD	100.4%	80	120
PX/40053-03	NIEA W433	sulfide	MSD	100.0%	75	125
Heavy Metals						
PX/40053-01~03	NIEA W313	Arsenic, As	LCS	100.7%	80	120
PX/40053-01~03	NIEA W313	Cadmium, Cd	LCS	98.8%	80	120
PX/40053-01~03	NIEA W313	Cobalt, Co	LCS	95.0%	80	120
PX/40053-01~03	NIEA W313	Chromium, Cr (total)	LCS	100.6%	80	120
PX/40053-01~03	NIEA W320	Chromium, hexavalent, Cr(VI)	LCS	99.0%	80	120
PX/40053-01~03	NIEA W313	Copper, Cu	LCS	101.8%	80	120
PX/40053-01~03	NIEA W313	Mercury, Hg	LCS	98.8%	80	120
PX/40053-01~03	NIEA W313	Manganese, Mn	LCS	103.5%	80	120
PX/40053-01~03	NIEA W313	Nickel, Ni	LCS	97.5%	80	120
PX/40053-01~03	NIEA W313	Lead, Pb	LCS	94.6%	80	120
PX/40053-01~03	NIEA W313	Antimony, Sb	LCS	103.3%	80	120
PX/40053-01~03	NIEA W313	Zinc, Zn	LCS	90.9%	80	120
PX/40053-01~03	NIEA W410	Cyanide, CN ⁻	LCS	97.8%	80	120
REMARK						

Page (33of41)

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 <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 0349459

Laboratory of Environmental Analysis QA/QC REPORT

Lab Sample ID	Analysis Method	Analyte	QA/QC Type	Recovery	Lower Control Limit	Upper Control Limit
PX/40053-01~03	NIEA W313	Arsenic, As	MS	106.7%	80	120
PX/40053-01~03	NIEA W313	Cadmium, Cd	MS	90.9%	80	120
PX/40053-01~03	NIEA W313	Cobalt, Co	MS	97.6%	80	120
PX/40053-01~03	NIEA W313	Chromium, Cr (total)	MS	102.0%	80	120
PX/40053-01~03	NIEA W320	Chromium, hexavalent, Cr(VI)	MS	96.4%	75	125
PX/40053-01~03	NIEA W313	Copper, Cu	MS	86.8%	80	120
PX/40053-01~03	NIEA W313	Mercury, Hg	MS	91.5%	80	120
PX/40053-01~03	NIEA W313	Manganese, Mn	MS	93.6%	80	120
PX/40053-01~03	NIEA W313	Nickel, Ni	MS	109.1%	80	120
PX/40053-01~03	NIEA W313	Lead, Pb	MS	94.9%	80	120
PX/40053-01~03	NIEA W313	Antimony, Sb	MS	102.6%	80	120
PX/40053-01~03	NIEA W313	Zinc, Zn	MS	92.0%	80	120
PX/40053-01~03	NIEA W410	Cyanide, CN ⁻	MS	111.3%	75	125
PX/40053-01~03	NIEA W313	Cadmium, Cd	MSD	89.7%	80	120
PX/40053-01~03	NIEA W320	Chromium, hexavalent, Cr(VI)	MSD	96.4%	75	125
PX/40053-01~03	NIEA W313	Mercury, Hg	MSD	90.3%	80	120

REMARK						

Page (34of41)



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 0349460



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/40053-04	USEPA8270SIM	bis(2-ethylhexyl) phthalate	LCS	88.5%	60	140
PX/40053-04	USEPA8270SIM	butyl benzyl phthalate	LCS	84.4%	60	140
PX/40053-04	USEPA8270SIM	di-n-butyl phthalate	LCS	84.3%	60	140
PX/40053-04	USEPA8270SIM	diethyl phthalate	LCS	77.3%	60	140
PX/40053-04	USEPA8270SIM	dimethyl phthalate	LCS	69.2%	60	140
PX/40053-04	USEPA8270SIM	di-n-octyl phthalate	LCS	86.8%	60	140
PX/40053-04	USEPA8270SIM	di-isononyl phthalate	LCS	91.2%	60	140
PX/40053-04	USEPA8270SIM	di-iso-decyl phthalate	LCS	93.2%	60	140
PX/40053-04	USEPA8270SIM	di-isobutyl phthalate	LCS	82.0%	60	140
PX/40053-04	USEPA8270SIM	di-n-hexyl phthalate	LCS	83.4%	60	140
PX/40053-04	USEPA8270SIM	Di-n-Propyl Phthalate (DPRP)	LCS	85.5%	60	140
PX/40053-04	USEPA8270SIM	Di-cyclohexyl Phthalate (DCHP)	LCS	88.2%	60	140
PX/40053-04	USEPA8270SIM	Dinonyl Phthalate (DNP)	LCS	92.9%	60	140
PX/40053-04	USEPA8270SIM	Di-iso-octyl Phthalate (DIOP)	LCS	96.3%	60	140
PX/40053-04	USEPA8270SIM	Dimethoxyethyl Phthalate (DMEP)	LCS	86.5%	60	140
Brominated Flame retardants						
PX/40053-04	USEPA 527 (GC/MS)	3-PBDE	LCS	55.1%	-	-
PX/40053-04	USEPA 527 (GC/MS)	4-PBDE	LCS	57.6%	-	-
PX/40053-04	USEPA 527 (GC/MS)	5-PBDE	LCS	61.7%	-	-
REMARK						

Page (35of41)

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 relied upon 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 0349461



Laboratory of Environmental Analysis
QA/QC REPORT

Lab Sample ID	Analysis Method	Analyte	QA/QC Type	Recovery	Lower Control Limit	Upper Control Limit
PX/40053-04	USEPA 527 (GC/MS)	6-PBDE	LCS	67.0%	-	-
PX/40053-04	USEPA 527 (GC/MS)	7-PBDE	LCS	78.6%	-	-
PX/40053-04	USEPA 527 (GC/MS)	10-PBDE	LCS	111.2%	-	-
PX/40053-04	USEPA 527 (GC/MS)	Tris(2,3-dibromopropyl) phosphate (TRIS)	LCS	103.4%	-	-
PX/40053-04	USEPA 527 (GC/MS)	Tetrabromobisphenol A (TBBPA)	LCS	109.3%	-	-
PX/40053-04	USEPA 527 (GC/MS)	Bis(2,3-dibromopropyl) phosphate	LCS	111.8%	-	-
PX/40053-04	USEPA 527 (GC/MS)	Hexabromocyclododecane (HBCDD)	LCS	107.6%	-	-
PX/40053-04	USEPA 527 (GC/MS)	2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)	LCS	62.2%	-	-
Chlorinated Flame Retardants						
PX/40053-04	USEPA 527 (GC/MS)	Tris(2-chloroethyl) phosphate (TCEP)	LCS	107.1%	-	-
PX/40053-04	USEPA 527 (GC/MS)	Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	LCS	114.4%	-	-
Azo dyes						
PX/40053-04	USEPA8270	4-AMINOBIIPHENYL	LCS	49.0%	-	-
PX/40053-04	USEPA8270	BENZIDINE	LCS	32.0%	-	-
PX/40053-04	USEPA8270	4-CHLORO-O-TOLUIDINE	LCS	35.0%	-	-
PX/40053-04	USEPA8270	2-NAPHTHYLAMINE	LCS	45.0%	-	-
PX/40053-04	USEPA8270	4-CHLOROANILINE	LCS	37.0%	-	-
PX/40053-04	USEPA8270	4,4'-DIAMINODIPHENYLMETHANE	LCS	29.0%	-	-
PX/40053-04	USEPA8270	3,3'-DICHLOROBENZIDINE	LCS	62.0%	-	-
PX/40053-04	USEPA8270	3,3'-DIMETHOXYBENZIDINE	LCS	41.0%	-	-
REMARK						

Page (36of41)

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-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.



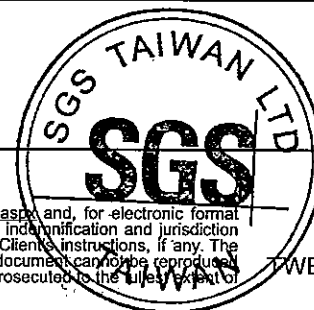
TWB 0349462

Laboratory of Environmental Analysis QA/QC REPORT

Lab Sample ID	Analysis Method	Analyte	QA/QC Type	Recovery	Lower Control Limit	Upper Control Limit
PX/40053-04	USEPA8270	3,3'-DIMETHYLBENZIDINE	LCS	36.0%	-	-
PX/40053-04	USEPA8270	4,4'-METHYLENEDI-O-TOLUIDINE	LCS	32.0%	-	-
PX/40053-04	USEPA8270	P-CRESIDINE	LCS	53.0%	-	-
PX/40053-04	USEPA8270	4,4'-METHYLENE-BIS-(2-CHLOROANILINE)	LCS	59.0%	-	-
PX/40053-04	USEPA8270	4,4'-OXYDIANILINE	LCS	27.0%	-	-
PX/40053-04	USEPA8270	4,4'-THIODIANILINE	LCS	28.0%	-	-
PX/40053-04	USEPA8270	O-TOLUIDINE	LCS	46.0%	-	-
PX/40053-04	USEPA8270	4-METHYL-M-PHENYLENEDIAMINE	LCS	9.0%	-	-
PX/40053-04	USEPA8270	2,4,5-TRIMETHYLANILINE	LCS	23.0%	-	-
PX/40053-04	USEPA8270	O-ANISIDINE	LCS	55.0%	-	-
PX/40053-04	USEPA8270	4-AMINOAZOBENZENE	LCS	58.0%	-	-
PX/40053-04	USEPA8270	2,4-XYLIDINE	LCS	25.0%	-	-
PX/40053-04	USEPA8270	2,6-XYLIDINE	LCS	25.0%	-	-
Chlorobenzenes						
PX/40053-04	USEPA8260	Chlorobenzene	LCS	97.0%	70	130
PX/40053-04	USEPA8260	1,2-Dichlorobenzene	LCS	96.2%	70	130
PX/40053-04	USEPA8260	1,3-Dichlorobenzene	LCS	97.9%	70	130
PX/40053-04	USEPA8270SIM	1,2,3,4-Tetrachlorobenzene	LCS	65.0%	60	140
PX/40053-04	USEPA8270SIM	1,2,3,5-Tetrachlorobenzene	LCS	63.6%	60	140
PX/40053-04	USEPA8270SIM	1,2,4,5-Tetrachlorobenzene	LCS	63.6%	60	140
REMARK						

Page (37of41)

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 can only 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 0349463

Laboratory of Environmental Analysis QA/QC REPORT

Lab Sample ID	Analysis Method	Analyte	QA/QC Type	Recovery	Lower Control Limit	Upper Control Limit
PX/40053-04	USEPA8270SIM	Pentachlorobenzene	LCS	65.8%	60	140
PX/40053-04	USEPA8270SIM	Hexachlorobenzene	LCS	74.6%	60	140
Chlorinated solvents						
PX/40053-04	USEPA8260	Tetrachloroethene	LCS	98.5%	75	125
PX/40053-04	USEPA8260	Trichloroethene	LCS	95.3%	75	125
PX/40053-04	USEPA8260	Chloroform	LCS	99.8%	75	125
PX/40053-04	USEPA8260	1,2-Dichloroethane	LCS	104.0%	75	125
Chlorophenols						
PX/40053-04	USEPA8270SIM	2-Chlorophenol	LCS	100.0%	60	140
PX/40053-04	USEPA8270SIM	2,4-Dichlorophenol	LCS	85.8%	60	140
PX/40053-04	USEPA8270SIM	2,5-Dichlorophenol	LCS	76.0%	60	140
PX/40053-04	USEPA8270SIM	2,3-Dichlorophenol	LCS	94.2%	60	140
PX/40053-04	USEPA8270SIM	3-Chlorophenol	LCS	92.6%	60	140
PX/40053-04	USEPA8270SIM	4-Chlorophenol	LCS	100.4%	60	140
PX/40053-04	USEPA8270SIM	2,6-Dichlorophenol	LCS	98.6%	60	140
PX/40053-04	USEPA8270SIM	2,3,5-Trichlorophenol	LCS	91.2%	60	140
PX/40053-04	USEPA8270SIM	2,4,6-Trichlorophenol	LCS	98.0%	60	140
PX/40053-04	USEPA8270SIM	2,4,5-Trichlorophenol	LCS	101.2%	60	140
PX/40053-04	USEPA8270SIM	2,3,4-Trichlorophenol	LCS	92.8%	60	140
PX/40053-04	USEPA8270SIM	3,5-Dichlorophenol	LCS	95.6%	60	140
REMARK						

Page (38of41)



TWB 0349464

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 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.

Laboratory of Environmental Analysis QA/QC REPORT

Lab Sample ID	Analysis Method	Analyte	QA/QC Type	Recovery	Lower Control Limit	Upper Control Limit
PX/40053-04	USEPA8270SIM	3,4-Dichlorophenol	LCS	92.6%	60	140
PX/40053-04	USEPA8270SIM	2,3,5,6-Tetrachlorophenol	LCS	89.8%	60	140
PX/40053-04	USEPA8270SIM	2,3,4,5-Tetrachlorophenol	LCS	86.4%	60	140
PX/40053-04	USEPA8270SIM	2,3,4,6-Trichlorophenol	LCS	91.2%	60	140
PX/40053-04	USEPA8270SIM	3,4,5-Trichlorophenol	LCS	94.2%	60	140
PX/40053-04	USEPA8270SIM	Pentachlorophenol	LCS	105.4%	60	140
Organotin Compounds						
PX/40053-04	ISO 17353 (GC/MS)	Monobutyltin	LCS	51.7%	-	-
PX/40053-04	ISO 17353 (GC/MS)	Dibutyltin	LCS	37.3%	-	-
PX/40053-04	ISO 17353 (GC/MS)	Tributyltin	LCS	34.0%	-	-
PX/40053-04	ISO 17353 (GC/MS)	Diocetyl tin	LCS	39.0%	-	-
PX/40053-04	ISO 17353 (GC/MS)	Triphenyltin	LCS	106.0%	-	-
PX/40053-04	ISO 17353 (GC/MS)	Tricyclohexyltin	LCS	100.0%	-	-
PX/40053-04	ISO 17353 (GC/MS)	Triocetyl tin	LCS	46.3%	-	-
PX/40053-04	ISO 17353 (GC/MS)	Tripropyltin	LCS	27.3%	-	-
Short Chain Chlorinated(SCCP) with C10-C13						
PX/40053-04	USEPA 8082(GC/ECD)	(SCCP) with C10-C13	LCS	39.0%	-	-
APEO						
PX/40053-04	Dichloromethane extraction /(GC/MS)	Nonylphenol	LCS	45.2%	-	-
PX/40053-04	Dichloromethane extraction /(GC/MS)	Octylphenol	LCS	39.9%	-	-
REMARK						

Page (39of41)

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 the Terms and Conditions of Service, 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.

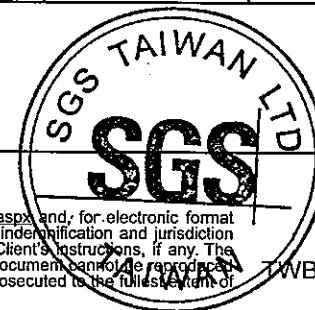


TWB 0349465

Laboratory of Environmental Analysis QA/QC REPORT

Lab Sample ID	Analysis Method	Analyte	QA/QC Type	Recovery	Lower Control Limit	Upper Control Limit
PX/40053-04	Dichloromethane extraction /(GC/MS)	Nonylphenol monoethoxylates, NP1EO	LCS	41.2%	-	-
PX/40053-04	Dichloromethane extraction /(GC/MS)	Nonylphenol diethoxylates NP2EO				
PX/40053-04	Dichloromethane extraction /(GC/MS)	Octylphenol monoethoxylates, OP1EO	LCS	81.1%	-	-
PX/40053-04	Dichloromethane extraction /(GC/MS)	Octylphenol diethoxylates, OP2EO				
PX/40053-04	SolidPhaseExtraction/(LC/MS)	Nonylphenolethoxylates, n=4 to n=15	LCS	52.0%	-	-
PX/40053-04	SolidPhaseExtraction/(LC/MS)	Octylphenolethoxylates, n=4 to n=15	LCS	68.0%	-	-
PFCs						
PX/40053-04	USEPA 3535A /(LC/MS)	perfluorooctanoic acid (PFOA)	LCS	59.0%	-	-
PX/40053-04	USEPA 3535A /(LC/MS)	perfluorooctane sulfonate (PFOS)	LCS	94.0%	-	-
Heavy Metals						
PX/40053-04	NIEA S310	Arsenic, As	LCS	101.9%	80	120
PX/40053-04	NIEA R355	Cadmium, Cd	LCS	100.5%	85	115
PX/40053-04	JIS K0102-67.2	Cyanide, CN ⁻	LCS	103.3%	-	-
PX/40053-04	NIEA R355	Cobalt, Co	LCS	97.6%	85	115
PX/40053-04	NIEA R355	Chromium, Cr (total)	LCS	101.1%	85	115
PX/40053-04	NIEA T303	Chromium, hexavalent, Cr(VI)	LCS	101.1%	-	-
PX/40053-04	NIEA R355	Copper, Cu	LCS	100.4%	85	115
PX/40053-04	NIEA M317	Mercury, Hg	LCS	92.7%	80	120
PX/40053-04	NIEA R355	Manganese, Mn	LCS	101.1%	85	115
PX/40053-04	NIEA R355	Nickel, Ni	LCS	100.6%	85	115
REMARK						

Page (40of41)



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 0349466



SGS TAIWAN LTD
SGS
TAIWAN
TWB

TWB 0349467

SGS Taiwan Ltd.
台灣檢驗科技股份有限公司

136-1, Wu Kung Road, Wu Ku District, New Taipei City, Taiwan / 新北市五股區五工路136-1號

† (886-2) 2299-3939

f (886-2) 2299-3230

www.sgs.iw

Member of SGS Group

1002