



FORMOSA PLASTICS CORPORATION

PVC Specification

TYPE	Grade	K value	Polymerization Degree	Bulk Density (g/c.c)	Volatile Matter (%)	VAC contain %	+42mesh Course particles %	
MASS PVC	B-57	54.1~56.0	620±30	0.60±0.02	0.3↓	-	0.01 ↓	
	B-60	57.8~59.4	740±30	0.60±0.02	0.3↓	-	0.01 ↓	
Suspension PVC	S-60	59.2~60.6	780±30	0.55±0.02	0.3↓	-	0.01 ↓	
	S-65S	64.6~66.0	1030±30	0.48±0.02	0.3↓	-	0.01 ↓	
	S-65F	64.6~66	1030±30	0.50±0.02	0.3↓	-	0.01 ↓	
	S-65D	65.7~67.1	1050±50	0.55±0.02	0.3↓	-	0.01 ↓	
	S-70	69.6~71.5	1250±50	0.47±0.02	0.3↓	-	0.01 ↓	
	S-75	73.4~75.2	1450±50	0.45±0.02	0.3↓	-	0.01 ↓	
	S-80	79.4~81.1	1800±50	0.45±0.02	0.3↓	-	0.01 ↓	
Blending Resins	SPR-D	63.0~68.0	1000±100	0.48±0.05	0.8 ↓	3.0	-	
Copolymer	C-8	58.9~61.6	800±50	0.55±0.02	2.0↓	8.0±1.0	0.01 ↓	
	C-15	47.8~51.2	450±50	0.48±0.02	2.0↓	12.5±1.0	0.01 ↓	
Mat PVC	C-1250M	~70	~1250	0.43±0.03	0.3 ↓	-	0.01 ↓	
Paste Resin	Micro-suspension	PR-F	75.5~78.5	1600±100	0.30±0.05	0.5↓	-	-
		PR-G	77.5~81.0	1700±100	0.30±0.05	0.5↓	-	-
	Emulsion	PR-500	73.0~76.5	1450±100	0.25±0.05	0.5↓	-	-
		PR-450	63.0~68.0	1000±100	0.25±0.05	0.5↓	-	-
		PR-415	73.0~76.5	1450±100	0.25±0.05	0.8 ↓	-	-
		PR-1069	77.5~81.0	1750±100	0.25±0.05	0.5↓	-	-

Test method :

1. K Value : DIN 53726
2. Polymerization degree 、 Bulk Density 、 Volatile Matter : JIS-K6721
3. 42 mesh course particles : % course particles on 42 mesh sieve



FORMOSA PLASTICS CORPORATION

Application and Properties

TYPE	Grade	Properties	Application	
MASS PVC	B-57	Mass PVC with excellent gelling and flow properties.	Used for compounding with copolymer C-8 or C-15 to manufacture rigid sheet and tiles, especially used for transparent bottles manufactured by extrusion and injection stretch or nonstretch blow molding machines.	
	B-60	Mass PVC with excellent gelling, high bulk density, high clarity and high initial color properties.	Used for calendaring process of rigid film, sheet and extrusion or injection mold articles.	
Suspension PVC	S-60	Suspension Pvc with good gelling and very high transparency properties.	Used for extrusion, injection blow molding articles and calendaring process of rigid film, sheet. It also used for pipe fitting.	
	S-65S	Suspension Pvc with good plasticizer absorption and good heat stability.	Due to the excellent initial color properties, especially used for transparent and white products.	
	S-65F	Suspension Pvc with good plasticizer absorption and good heat stability.	This resin is intended for soft application, flexible film, and other flexible articles. It also suit for cables and wires application.	
	S-65D	Suspension Pvc with high bulk density, and excellent initial color properties.	This resin is intended for rigid molding articles processing, particularly for extrusion process of rigid pipe with high extrusion quantity.	
	S-70	Suspension Pvc with high porosity, good plasticizer absorption and good electrical properties.	Used for extrusion, injection molding and calendaring or flexible products, especially for wires and cables.	
	S-75	Suspension Pvc with very high porosity and good plasticizer absorption.	Used for calendaring process of film and sheet with excellent mechanic and physical properties, especially suitable for high insulating wires and cables.	
	S-80	Suspension Pvc with excellent porosity and high ratio of plasticizer absorption enhance the flexibility and elasticity of finish products.	Used for versatile process of excellent mechanical and high elastic purpose products.	
Blending Resins	SPR-D	Blending PVC resin with coarse particle size approximate 50um is used as viscosity depressing.	SPR-D is mixed with paste resin such as PR-415, PR-450, PR-500, PR-1069 and PR-F to make floor covering, automobile products and molding products such as dolls and toys, etc.	
Copolymer	C-8	Suspension VC/VAC copolymer with low melt viscosity.	Used for the manufacture of rigid plates, tiles, printing inks, surface treatment agent, etc.	
	C-15	Suspension VC/VAC copolymer with very low melt viscosity, excellent flow properties.	Specially suitable for protective coatings, printing inks and tiles.	
Mat PVC	C-1250M	Lower gloss value as well as excellent dry mat surface finish.	Used for injection, calendaring and extrusion of flexible products.	
Paste Resin	Micro-suspension	PR-F	Suitable viscosity, good air release, good foaming, excellent strength, excellent yield value and excellent Hegman scratch.	Foam leather, foaming products, gloves, toys and dolls.
		PR-G	Low viscosity and high transparency.	Soft toy, dipping, rotational molding, slush molding and casting molding.
	Emulsion	PR-500	High viscosity and good foaming.	Foam leather and foaming product.
		PR-450	Suitable viscosity, excellent foaming.	Floor covering, wall covering, foam sheet, casting leather.
		PR-415	Low viscosity, easy mold release and excellent heat stability.	Doll, toy, boots and automobile accessories.
		PR-1069	Low viscosity, excellent mechanical property, abrasion resistance, water resistance and excellent clarity.	Wear layer of floor covering, casting leather, top or surface, coating and toy.

Packages :

1. Jumbo Bag : 1.0 or 1.1MT packed in PP jumbo bag with pallet, containerized ship.

2. 25 kg bags : 25kg PP woven bag with PE inner bag or 25kg paper bag with laminated (without pallet).

Test Report

FORMOSA PLASTICS CORPORATION

NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY,
TAIWAN R. O. C.

Report No. : KA/2009/32066

Date : 2009/03/30

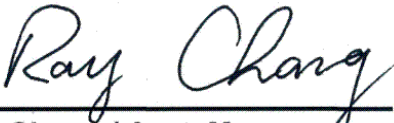
Page : 1 of 3



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

Sample Description : WHITE POLYVINYL CHLORIDE
Style/Item No. : JW B57
Sample Receiving Date : 2009/03/26
Testing Period : 2009/03/26 TO 2009/03/30

=====
Test Result(s) : - Please see the next page(s) -



Ray Chang / Asst. Manager

Signed for and on behalf of

SGS Taiwan Limited

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

FORMOSA PLASTICS CORPORATION
 NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY,
 TAIWAN R. O. C.

Report No. : KA/2009/32066
 Date : 2009/03/30
 Page : 2 of 3



Test Result(s)

PART NAME NO.1 : WHITE POLYVINYL CHLORIDE

Test Item (s)	Unit	Method	MDL	Result
				No. 1
Hexachlorobenzene	mg/kg	With reference to US EPA 3540C. Analysis was performed by GC/MS.	0.15	n.d.

- Note :
1. mg/kg = ppm; 0.1wt% = 1000ppm
 2. n.d. = Not Detected
 3. MDL = Method Detection Limit

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。
 This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

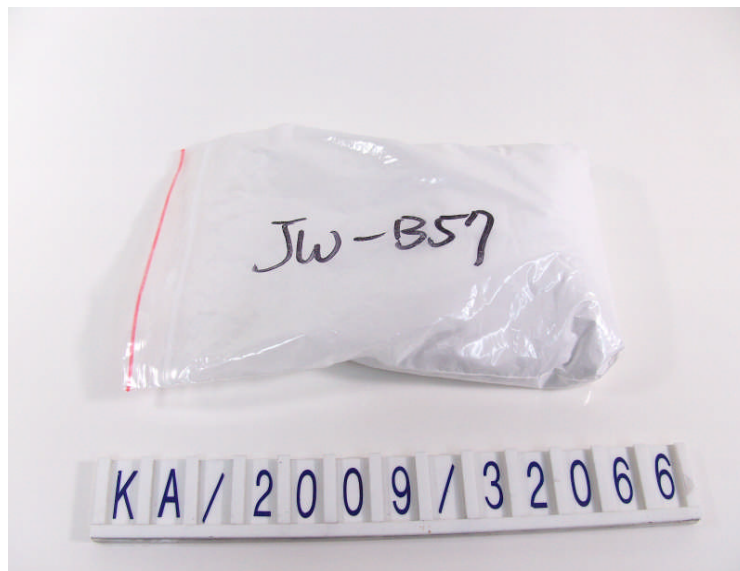
Test Report

FORMOSA PLASTICS CORPORATION
NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY,
TAIWAN R. O. C.

Report No. : KA/2009/32066

Date : 2009/03/30

Page : 3 of 3



** End of Report **

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。
This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.



Test Report

FORMOSA PLASTICS CORPORATION

NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY,
TAIWAN R. O. C.

Report No. : KA/2009/31241

Date : 2009/03/24

Page : 1 of 24



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

Sample Description : WHITE POLYVINYL CHLORIDE
Style/Item No. : JW B57
Sample Receiving Date : 2009/03/16
Testing Period : 2009/03/16 TO 2009/3/24

=====
Test Result(s) : - Please see the next page(s) -

Ray Chang / Asst. Manager
Signed for and on behalf of
SGS Taiwan Limited

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

FORMOSA PLASTICS CORPORATION
NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY, TAIWAN R. O.
C.

Report No. : KA/2009/31241
Date : 2009/03/24
Page : 2 of 24



Test Result(s)

PART NAME NO.1 : WHITE POLYVINYL CHLORIDE

Test Item (s)	Unit	Method	MDL	Result No. 1		
Cadmium (Cd)	mg/kg	With reference to IEC 62321:2008. Determination of Cadmium by ICP-AES.	2	n.d.		
Mercury (Hg)	mg/kg	With reference to IEC 62321:2008. Determination of Mercury by ICP-AES.	2	n.d.		
Lead (Pb)	mg/kg	With reference to IEC 62321:2008. Determination of Lead by ICP-AES.	2	n.d.		
Hexavalent Chromium Cr(VI) by alkaline extraction	mg/kg	With reference to IEC 62321:2008. Determination of Hexavalent Chromium for non-metallic samples by UV/Vis Spectrometry.	2	n.d.		
Sum of PBBs			-	n.d.		
Monobromobiphenyl	mg/kg	With reference to IEC 62321:2008. Determination of PBBs and PBDEs by GC/MS.	5	n.d.		
Dibromobiphenyl			5	n.d.		
Tribromobiphenyl			5	n.d.		
Tetrabromobiphenyl			5	n.d.		
Pentabromobiphenyl			5	n.d.		
Hexabromobiphenyl			5	n.d.		
Heptabromobiphenyl			5	n.d.		
Octabromobiphenyl			5	n.d.		
Nonabromobiphenyl			5	n.d.		
Decabromobiphenyl			5	n.d.		
Sum of PBDEs					-	n.d.
Monobromodiphenyl ether			mg/kg	With reference to IEC 62321:2008. Determination of PBBs and PBDEs by GC/MS.	5	n.d.
Dibromodiphenyl ether	5	n.d.				
Tribromodiphenyl ether	5	n.d.				
Tetrabromodiphenyl ether	5	n.d.				
Pentabromodiphenyl ether	5	n.d.				
Hexabromodiphenyl ether	5	n.d.				
Heptabromodiphenyl ether	5	n.d.				
Octabromodiphenyl ether	5	n.d.				
Nonabromodiphenyl ether	5	n.d.				
Decabromodiphenyl ether	5	n.d.				

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

FORMOSA PLASTICS CORPORATION

NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY, TAIWAN R. O.
C.

Report No. : KA/2009/31241

Date : 2009/03/24

Page : 3 of 24



Test Item (s)	Unit	Method	MDL	Result
				No. 1
Beryllium (Be)	mg/kg	With reference to US EPA 3052. Analysis was performed by ICP-AES.	2	n.d.
Cobalt dichloride***	mg/kg	With reference to US EPA 3052. Analysis was performed by ICP-AES.	2	n.d.
Chlorinated Paraffin (C10~C13) (CAS NO.: 010871-26-2)	%	With reference to US EPA 3540C. Analysis was performed by GC/ECD.	0.01	n.d.
PCBs (Polychlorinated Biphenyls) (CAS NO.: 001336-36-3)	mg/kg	With reference to US EPA 3540C. Analysis was performed by GC/ECD.	0.5	n.d.
Polychlorinated Naphthalene	mg/kg	With reference to US EPA 3540C. Analysis was performed by GC/MS.	5	n.d.
PCTs (Polychlorinated Terphenyls)	mg/kg	With reference to US EPA 3540C. Analysis was performed by GC/MS.	0.5	n.d.
PERFLUOROOCCTANE SULFONATES (PFOS) PFOS – Acid PFOS – Metal Salt PFOS – Amide	mg/kg	With reference to US EPA 3540C : 1996 method for PFOS Content. Analysis was performed by LC/MS.	10	n.d.
2-(2-HYDROXY-3',5'-DI-T-BUTYLPHENYL)BENZOTRIAZOLE (CAS NO.3846-71-7)	mg/kg	With reference to US EPA 3540C. Analysis was performed by GC/MS.	10	n.d.
Formaldehyde (CAS NO.: 000050-00-0)	mg/kg	With reference to DIN 53315. Analysis was performed by HPLC/DAD.	3	n.d.
PVC (CAS NO.: 9002-86-2)	**	Analysis was performed by FTIR and FLAME Test.	-	Positive
Asbestos				
Anthrophyllite (CAS NO.017068-78-9)	%	As per NIOSH 9000 method. Analysis was performed by XRD.	1	Negative
Crocidolite (CAS NO.012001-28-4)	%	As per NIOSH 9000 method. Analysis was performed by XRD.	1	Negative
Amosite (CAS NO.012172-73-5)	%	As per NIOSH 9000 method. Analysis was performed by XRD.	1	Negative
Tremolite (CAS NO.014567-73-8)	%	As per NIOSH 9000 method. Analysis was performed by XRD.	1	Negative
Chrysotile (CAS NO.012001-29-5)	%	As per NIOSH 9000 method. Analysis was performed by XRD.	1	Negative
Actinolite (CAS NO.013768-00-8)	%	As per NIOSH 9000 method. Analysis was performed by XRD.	1	Negative

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

FORMOSA PLASTICS CORPORATION

NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY, TAIWAN R. O.
C.

Report No. : KA/2009/31241

Date : 2009/03/24

Page : 4 of 24



Test Item (s)	Unit	Method	MDL	Result No. 1
Phthalates				
DEHP(Di-(2-ethylhexyl phthalate)) (CAS No.000117-81-7)	%	With reference to EN 14372 : 2004 method. Analysis was performed by GC/MS.	0.003	n.d.
DIDP(Di-isodecyl phthalate) (CAS No.026761-40-0)	%	With reference to EN 14372 : 2004 method. Analysis was performed by GC/MS.	0.01	n.d.
DNOP(Di-n-octyl phthalate) (CAS No.000117-84-0)	%	With reference to EN 14372 : 2004 method. Analysis was performed by GC/MS.	0.003	n.d.
DBP(Di-butyl phthalate) (CAS No.000084-74-2)	%	With reference to EN 14372 : 2004 method. Analysis was performed by GC/MS.	0.003	n.d.
BBP(Benzyl butyl phthalate) (CAS No.000085-68-7)	%	With reference to EN 14372 : 2004 method. Analysis was performed by GC/MS.	0.003	n.d.
DINP(Di-isononyl phthalate) (CAS No.028553-12-0)	%	With reference to EN 14372 : 2004 method. Analysis was performed by GC/MS.	0.01	n.d.
DHP(Di-hexyl phthalate) (CAS No.000084-75-3)	%	With reference to EN 14372 : 2004 method. Analysis was performed by GC/MS.	0.003	n.d.
Organic-TIN compounds				
Tributyl Tin(TBT) (CAS NO.: 000688-73-3)	mg/kg	With reference to DIN 38407-13. Analysis was performed by GC/FPD.	0.03	n.d.
Triphenyl Tin(TphT) (CAS NO.: 000668-34-8)	mg/kg	With reference to DIN 38407-13. Analysis was performed by GC/FPD.	0.03	n.d.
CHCs (Chlorinated hydrocarbon)				
1,1,1,2-Tetrachloroethane (CAS NO.: 000630-20-6)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
1,1,1-Trichloroethane (CAS NO.: 000071-55-6)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
1,1,2,2-Tetrachloroethane (CAS NO.: 000079-34-5)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
1,1,2-Trichloroethane (CAS NO.: 000079-00-5)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
1,1-Dichloroethene (CAS NO.: 000075-35-4)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
1,1-Dichloroethane (CAS NO.: 000075-34-3)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
1,1-Dichloropropene (CAS NO.: 000563-58-6)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
1,2,3-Trichloropropane (CAS NO.: 000096-19-5)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
1,2-Dichloroethane (CAS NO.: 000107-06-2)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

FORMOSA PLASTICS CORPORATION

NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY, TAIWAN R. O.
C.

Report No. : KA/2009/31241

Date : 2009/03/24

Page : 5 of 24



Test Item (s)	Unit	Method	MDL	Result
				No. 1
1,2-Dichloropropane (CAS NO.: 000078-87-5)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
1,3-Dichloropropane (CAS NO.: 000142-28-9)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
2,2-Dichloropropane (CAS NO.: 000594-20-7)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Chloroethane (CAS NO.: 000075-00-3)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Chloroform (CAS NO.: 000067-66-3)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Chloromethane (CAS NO.: 000074-87-3)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Cis-1,2-Dichloroethene (CAS NO.: 000156-59-2)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Cis-1,3-Dichloropropene (CAS NO.: 010061-01-5)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hexachlorobutadiene (CAS NO.: 000087-68-3)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Methylene Chloride (CAS NO.: 000075-09-2)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
trans-1,2-Dichloroethene (CAS NO.: 000156-60-5)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
trans-1,3-Dichloropropene (CAS NO.: 010061-02-6)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Trichloroethylene (CAS NO.: 000079-01-6)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Carbon Tetrachloride	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Methyl Chloroform	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrofluorcarbon, fluorinated hydrocarbon, fluorohydrocarbon (HFC)				
HFC-23 (CHF3)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HFC-32 (CH2F2)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.



Test Report

FORMOSA PLASTICS CORPORATION

NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY, TAIWAN R. O.
C.

Report No. : KA/2009/31241

Date : 2009/03/24

Page : 6 of 24



Test Item (s)	Unit	Method	MDL	Result
				No. 1
HFC-41 (CH3F)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HFC-43-10mee (C5H2F10)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HFC-125 (C2HF5)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HFC-134 (C2H2F4)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HFC-134a (CH2FCF3)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HFC-143 (C2H3F3)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HFC-143a (C2H3F3)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HFC-152a (C2H4F2)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HFC-227ea (C3HF7)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HFC-236cb (CH2FCF2CF3)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HFC-236fa (C3H2F6)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HFC-236ea (CHF2CHF2CF3)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HFC-245ca (C3H3F5)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HFC-245fa (CHF2CH2CF3)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HFC-365mfc (CF3CH2CF2CH3)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
PERFLUOROCARBON(PFC)				
F14	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Fluorocarbon 116	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

FORMOSA PLASTICS CORPORATION

NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY, TAIWAN R. O. C.

Report No. : KA/2009/31241

Date : 2009/03/24

Page : 7 of 24



Test Item (s)	Unit	Method	MDL	Result
				No. 1
Freon 218	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Decafluorobutane	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Freon C 318	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Perfluoro-1-butene	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Perfluoroisobutene	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
1,4-Dihydrooctafluorobutane	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Nonafluoro-2-(trifluoromethyl)butane	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Perfluoro-n-pentane	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
2-Perfluoromethylpentane	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Perfluorohexane	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
CFCs(Chlorofluorocarbons) & HALON				
Chlorofluorocarbon-11 (CAS NO.: 000075-69-4)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Chlorofluorocarbon-12 (CAS NO.: 000075-71-8)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Chlorofluorocarbon-113 (CAS NO.: 000076-13-1)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Chlorofluorocarbon-114 (CAS NO.: 000076-14-2)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Chlorofluorocarbon-115 (CAS NO.: 000076-15-3)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Chlorofluorocarbon-13 (CAS NO.: 000075-72-9)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Chlorofluorocarbon-111 (CAS NO.: 000354-56-3)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Chlorofluorocarbon-112 (CAS NO.: 000076-12-0)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

FORMOSA PLASTICS CORPORATION
NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY, TAIWAN R. O.
C.

Report No. : KA/2009/31241
Date : 2009/03/24
Page : 8 of 24



Test Item (s)	Unit	Method	MDL	Result No. 1
Chlorofluorocarbon-211 (CAS NO.: 135401-87-5)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Chlorofluorocarbon-212 (CAS NO.: 076564-99-3)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Chlorofluorocarbon-213 (CAS NO.: 060285-54-3)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Chlorofluorocarbon-214 (CAS NO.: 002268-46-4)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Chlorofluorocarbon-215 (CAS NO.: 000076-17-5)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Chlorofluorocarbon-216 (CAS NO.: 001652-80-8)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Chlorofluorocarbon-217 (CAS NO.: 000422-86-6)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HALON-1211	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HALON-1301	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HALON-2402	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HCFC's (Hydrogenated)				
Hydrochlorofluorocarbon-21 (CAS NO.: 000075-43-4)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-22 (CAS NO.: 000075-45-6)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-31 (CAS NO.: 000593-70-4)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-121 (CAS NO.: 130879-71-9)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-122 (CAS NO.: 041834-16-6)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-123 (CAS NO.: 034077-87-7)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-124 (CAS NO.: 063938-10-3)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-131 (CAS NO.: 134237-34-6)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

FORMOSA PLASTICS CORPORATION

NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY, TAIWAN R. O. C.

Report No. : KA/2009/31241

Date : 2009/03/24

Page : 9 of 24



Test Item (s)	Unit	Method	MDL	Result No. 1
Hydrochlorofluorocarbon-132 (CAS NO.: 025915-78-0)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-133 (CAS NO.: 001330-45-6)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-141 (CAS NO.: 025167-88-8)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-141b (CAS NO.: 001717-00-6)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-142 (CAS NO.: 025497-29-4)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-142b (CAS NO.: 000075-68-3)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-151 (CAS NO.: 001615-75-4)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-221 (CAS NO.: 134237-35-7)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-222 (CAS NO.: 134237-36-8)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-223 (CAS NO.: 134237-37-9)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-224 (CAS NO.: 134237-38-0)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-225 (CAS NO.: 127564-92-5)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-225ca (CAS NO.: 000422-56-0)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-225cb (CAS NO.: 000507-55-1)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-226 (CAS NO.: 134308-72-8)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-231 (CAS NO.: 134190-48-0)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-232 (CAS NO.: 134237-39-1)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-233 (CAS NO.: 134237-40-4)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

FORMOSA PLASTICS CORPORATION

NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY, TAIWAN R. O. C.

Report No. : KA/2009/31241

Date : 2009/03/24

Page : 10 of 24



Test Item (s)	Unit	Method	MDL	Result
				No. 1
Hydrochlorofluorocarbon-234 (CAS NO.: 127564-83-4)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-235 (CAS NO.: 134237-83-5)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-241 (CAS NO.: 134190-49-1)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-242 (CAS NO.: 134237-42-6)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-243 (CAS NO.: 134237-43-7)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-244 (CAS NO.: 134190-50-4)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-251 (CAS NO.: 134190-51-5)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-252 (CAS NO.: 134190-52-6)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-253 (CAS NO.: 134237-44-8)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-261 (CAS NO.: 134237-45-9)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-262 (CAS NO.: 134190-53-7)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Hydrochlorofluorocarbon-271 (CAS NO.: 134190-54-8)	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC's (Hydrogenated bromofluorocarbons)				
HBFC-21B2	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-22B1	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-31B1	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-121B4	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-122B3	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

FORMOSA PLASTICS CORPORATION
 NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY, TAIWAN R. O.
 C.

Report No. : KA/2009/31241
 Date : 2009/03/24
 Page : 11 of 24



Test Item (s)	Unit	Method	MDL	Result No. 1
HBFC-123B2	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-124B1	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-131B3	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-132B2	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-133B1	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-141B2	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-142B1	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-151B1	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-221B6	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-222B5	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-223B4	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-224B3	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-225B2	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-226B1	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-231B5	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-232B4	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-233B3	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-234B2	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

FORMOSA PLASTICS CORPORATION

NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY, TAIWAN R. O. C.

Report No. : KA/2009/31241

Date : 2009/03/24

Page : 12 of 24



Test Item (s)	Unit	Method	MDL	Result
				No. 1
HBFC-235B1	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-241B4	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-242B3	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-243B2	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-244B1	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-251B3	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-252B2	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-253B1	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-261B2	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-262B1	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
HBFC-271B1	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
Bromomethane	mg/kg	With reference to US EPA 5021. Analysis was performed by GC/MS.	1	n.d.
AZO				
1):4-AMINODIPHENYL (CAS NO.92-67-1)	mg/kg	With reference to LMBG 82.02-2. Analysis was performed by GC/MS.	3	n.d.
2):BENZIDINE (CAS NO.92-87-5)	mg/kg	With reference to LMBG 82.02-2. Analysis was performed by GC/MS.	3	n.d.
3):4-CHLORO-O-TOLUIDINE (CAS NO.95-69-2)	mg/kg	With reference to LMBG 82.02-2. Analysis was performed by GC/MS.	3	n.d.
4):2-NAPHTHYLAMINE (CAS NO.91-59-8)	mg/kg	With reference to LMBG 82.02-2. Analysis was performed by GC/MS.	3	n.d.
5):O-AMINO-AZOTOLUENE (CAS NO.97-56-3)	mg/kg	With reference to LMBG 82.02-2. Analysis was performed by GC/MS.	3	n.d.
6):2-AMINO-4-NITROTOLUENE (CAS NO.99-55-8)	mg/kg	With reference to LMBG 82.02-2. Analysis was performed by GC/MS.	3	n.d.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

FORMOSA PLASTICS CORPORATION

NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY, TAIWAN R. O.
C.

Report No. : KA/2009/31241

Date : 2009/03/24

Page : 13 of 24



Test Item (s)	Unit	Method	MDL	Result No. 1
7):P-CHLOROANILINE (CAS NO.106-47-8)	mg/kg	With reference to LMBG 82.02-2. Analysis was performed by GC/MS.	3	n.d.
8):2,4-DIAMINOANISOLE (CAS NO.615-05-4)	mg/kg	With reference to LMBG 82.02-2. Analysis was performed by GC/MS.	3	n.d.
9):4,4-DIAMINODIPHENYLMETHANE	mg/kg	With reference to LMBG 82.02-2. Analysis was performed by GC/MS.	3	n.d.
10):3,3-DICHLOROBENZIDINE (CAS NO.91-94-1)	mg/kg	With reference to LMBG 82.02-2. Analysis was performed by GC/MS.	3	n.d.
11):3,3-DIMETHOXYBENZIDINE (CAS NO.119-90-4)	mg/kg	With reference to LMBG 82.02-2. Analysis was performed by GC/MS.	3	n.d.
12):3,3-DIMETHYLBENZIDINE (CAS NO.119-93-7)	mg/kg	With reference to LMBG 82.02-2. Analysis was performed by GC/MS.	3	n.d.
13):3,3-DIMETHYL-4,4-DIAMINODIPHENYLMETHA	mg/kg	With reference to LMBG 82.02-2. Analysis was performed by GC/MS.	3	n.d.
14):P-CRESIDINE (2-METHOXY-5-METHYLANILINE)	mg/kg	With reference to LMBG 82.02-2. Analysis was performed by GC/MS.	3	n.d.
15):4,4-METHYLENE-BIS-(2-CHLORANILINE) (CAS NO.101-14-4)	mg/kg	With reference to LMBG 82.02-2. Analysis was performed by GC/MS.	3	n.d.
16):4,4-OXYDIANILINE (CAS NO.101-80-4)	mg/kg	With reference to LMBG 82.02-2. Analysis was performed by GC/MS.	3	n.d.
17):4,4-THIODIANILINE (CAS NO.139-65-1)	mg/kg	With reference to LMBG 82.02-2. Analysis was performed by GC/MS.	3	n.d.
18):O-TOLUIDINE (CAS NO.95-53-4)	mg/kg	With reference to LMBG 82.02-2. Analysis was performed by GC/MS.	3	n.d.
19):2,4-TOLUYLENDIAMINE (CAS NO.95-80-7)	mg/kg	With reference to LMBG 82.02-2. Analysis was performed by GC/MS.	3	n.d.
20):2,4,5-TRIMETHYLANILINE (CAS NO.137-17-7)	mg/kg	With reference to LMBG 82.02-2. Analysis was performed by GC/MS.	3	n.d.
21):O-ANISIDINE (CAS NO.90-04-0)	mg/kg	With reference to LMBG 82.02-2. Analysis was performed by GC/MS.	3	n.d.
22):P-AMINOAZOBENZENE (CAS NO.60-09-3)	mg/kg	With reference to LMBG 82.02-Z. Analysis was performed by GC/MS.	3	n.d.
23):2,4-XYLIDINE (CAS NO.95-68-1)	mg/kg	With reference to LMBG 82.02-2. Analysis was performed by GC/MS.	3	n.d.
24):2,6-XYLIDINE (CAS NO.87-62-7)	mg/kg	With reference to LMBG 82.02-2. Analysis was performed by GC/MS.	3	n.d.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

FORMOSA PLASTICS CORPORATION

NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY, TAIWAN R. O.
C.

Report No. : KA/2009/31241

Date : 2009/03/24

Page : 14 of 24



- Note :
1. mg/kg = ppm ; 0.1wt% = 1000ppm
 2. n.d. = Not Detected
 3. MDL = Method Detection Limit
 4. " - " = Not Regulated
 5. The exemption of DecaBDE in polymeric application according 2005/717/EC was overruled by the European Court of Justice by its decision of 01.04.2008. Subsequently DecaBDE will be included in the sum of PBDE after 01.07.2008
 6. ** = Qualitative analysis (No Unit)
 7. Negative = Undetectable / Positive = Detectable
 8. Amending for the 22nd Council Directive 76/769/EEC notified under document 2005/84/EC, total concentration of three compounds DEHP, DBP and BBP shall not be greater than 0.1% and total concentration of three compounds DINP, DIDP and DNOP shall not be greater than 0.1%.
 9. ***The substance is calculated by the test results of Cobalt. The MDL is evaluated forCobalt or Phosphorus respectively.)
 10. The Asbestos test was subcontracted to other SGS Laboratory.
 11. The PVC & ASBESTOS test was subcontracted to other SGS Laboratory.

PFOS Reference Information : Directive 2006/122/EC

- (1) May not be placed on the market or used as a substance or constituent of preparations in a concentration equal to or higher than 0.005 % by mass.
- (2) May not be placed on the market in semi-finished products or articles, or parts thereof, if the concentration of PFOS is equal to or higher than 0.1 % by mass calculated with reference to the mass of structurally or microstructurally distinct parts that contain PFOS or, for textiles or other coated materials, if the amount of PFOS is equal to or higher than $1\mu\text{g}/\text{m}^2$ of the coated material.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

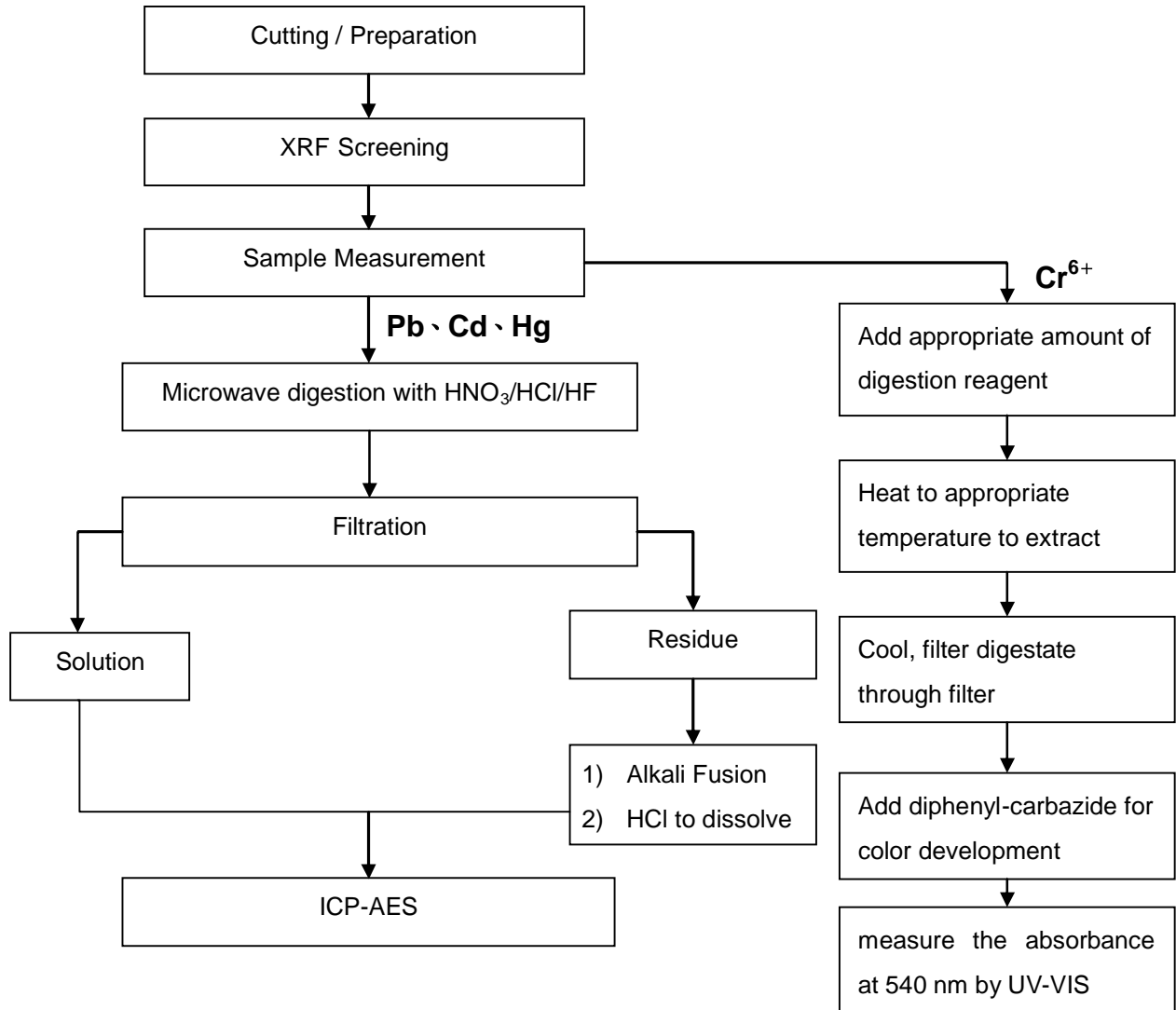
Test Report

FORMOSA PLASTICS CORPORATION
 NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY, TAIWAN R. O.
 C.

Report No. : KA/2009/31241
 Date : 2009/03/24
 Page : 15 of 24



- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart.
 (Cr⁶⁺ test method excluded)
- 2) Name of the person who made measurement: Hungming Li
- 3) Name of the person in charge of measurement: Ray Chang



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責，本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

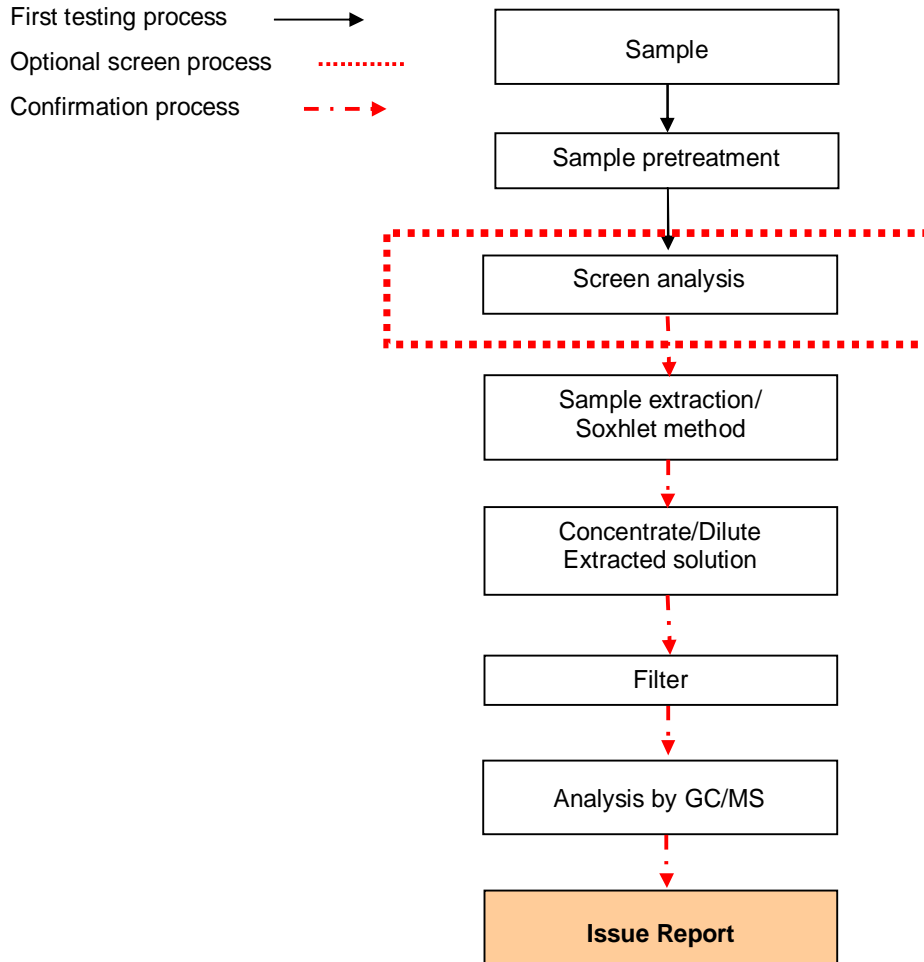
FORMOSA PLASTICS CORPORATION
 NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY, TAIWAN R. O.
 C.

Report No. : KA/2009/31241
 Date : 2009/03/24
 Page : 16 of 24



PBB/PBDE analytical FLOW CHART

- 1) Name of the person who made measurement: Anson Tsao
- 2) Name of the person in charge of measurement: Ray Chang



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

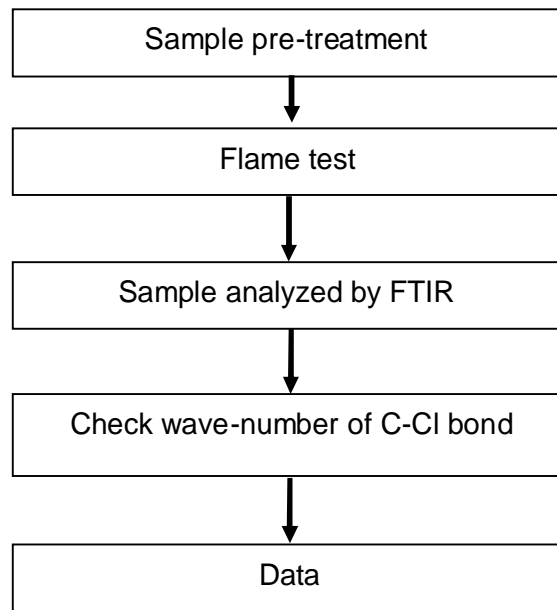
FORMOSA PLASTICS CORPORATION
 NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY, TAIWAN R. O.
 C.

Report No. : KA/2009/31241
 Date : 2009/03/24
 Page : 17 of 24



Analysis flow chart for determination of PVC in polymer material

- 1) Name of the person who made measurement: Joyce Chiu
- 2) Name of the person in charge of measurement: Roger Lin



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

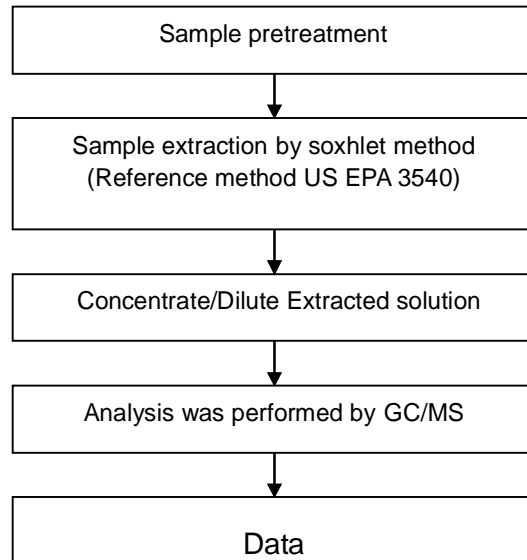
FORMOSA PLASTICS CORPORATION
 NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY, TAIWAN R. O.
 C.

Report No. : KA/2009/31241
 Date : 2009/03/24
 Page : 18 of 24



Analytical flow chart of benzotriazole content

- 1) Name of the person who made measurement: Anson Tsao
- 2) Name of the person in charge of measurement: Ray Chang



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

FORMOSA PLASTICS CORPORATION
 NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY, TAIWAN R. O.
 C.

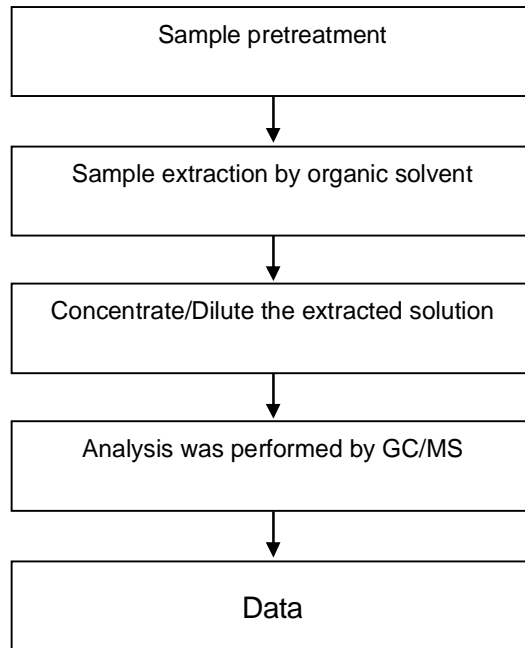
Report No. : KA/2009/31241
 Date : 2009/03/24
 Page : 19 of 24



Chlorinated Flame retardant analytical flow chart

- 1) Name of the person who made measurement: Anson Tsao
- 2) Name of the person in charge of measurement: Ray Chang

- Reference method: US EPA 8270D, US EPA 3540
- Test Items: PCNs, PCTs, Mirex



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

FORMOSA PLASTICS CORPORATION
NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY, TAIWAN R. O.
C.

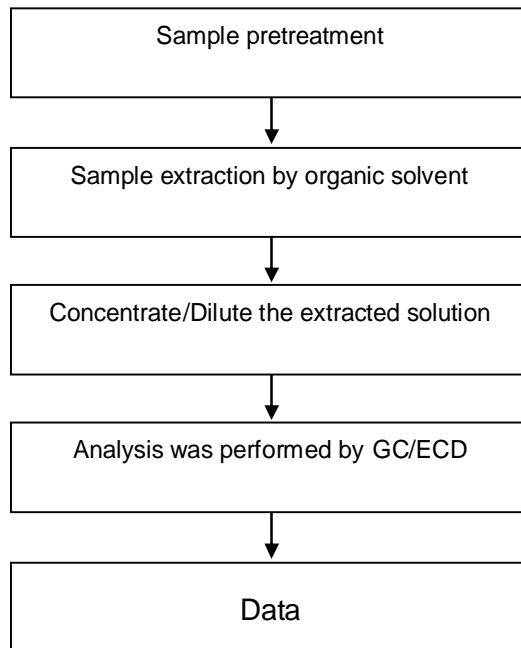
Report No. : KA/2009/31241
Date : 2009/03/24
Page : 20 of 24



Chlorinated Flame retardant analytical flow chart

- 1) Name of the person who made measurement: Anson Tsao
- 2) Name of the person in charge of measurement: Ray Chang

- Reference method: USEPA 3540
- Test Items: PCBs, CP, MCCP



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責，本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

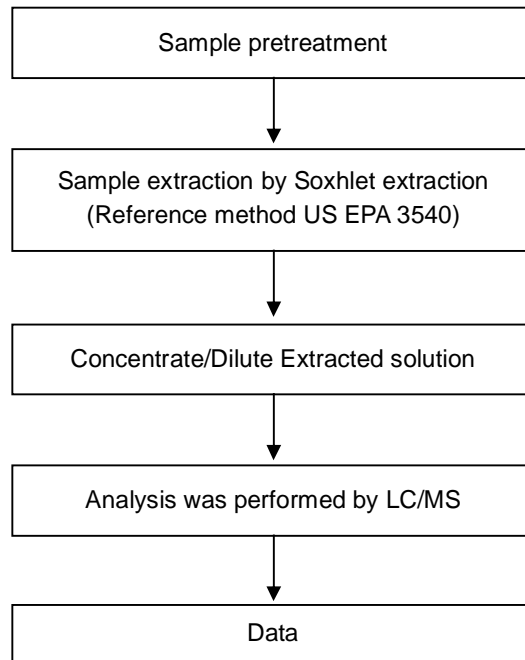
FORMOSA PLASTICS CORPORATION
 NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY, TAIWAN R. O.
 C.

Report No. : KA/2009/31241
 Date : 2009/03/24
 Page : 21 of 24



Analytical flow chart of PFOS content

- 1) Name of the person who made measurement: Anson Tsao
- 2) Name of the person in charge of measurement: Ray Chang



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

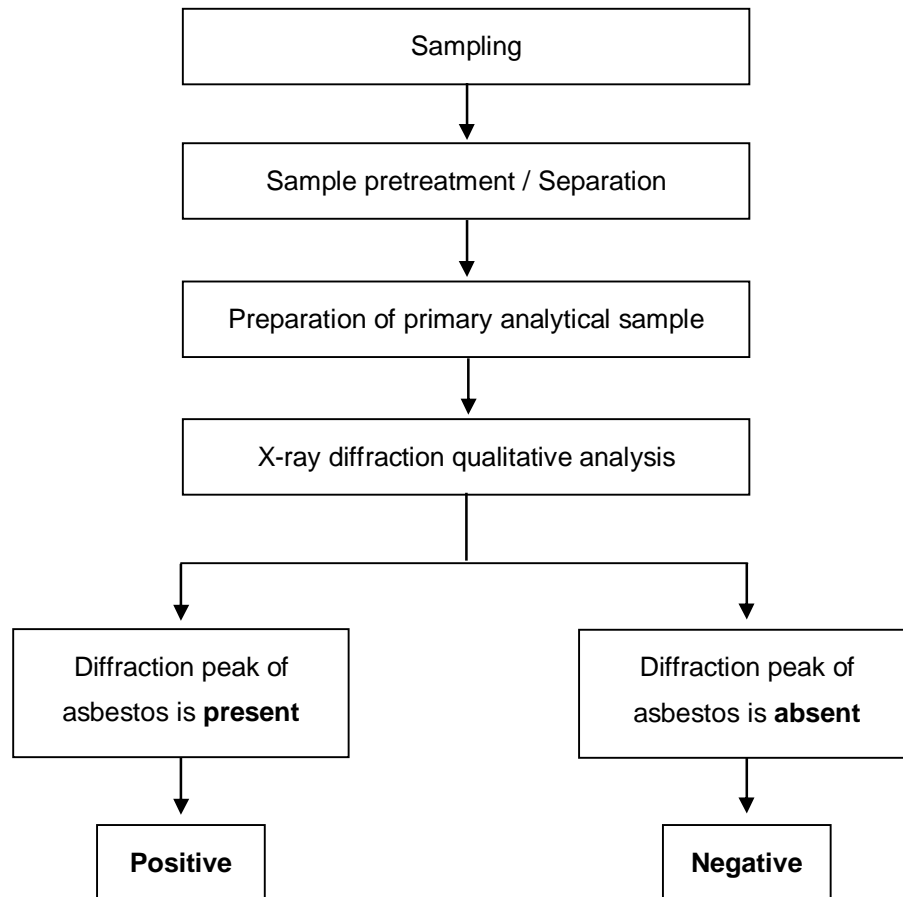
FORMOSA PLASTICS CORPORATION
 NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY, TAIWAN R. O.
 C.

Report No. : KA/2009/31241
 Date : 2009/03/24
 Page : 22 of 24



Analysis flow chart for determination of Asbestos

- 1) Name of the person who made measurement: Victor Kao
- 2) Name of the person in charge of measurement: James Lu



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

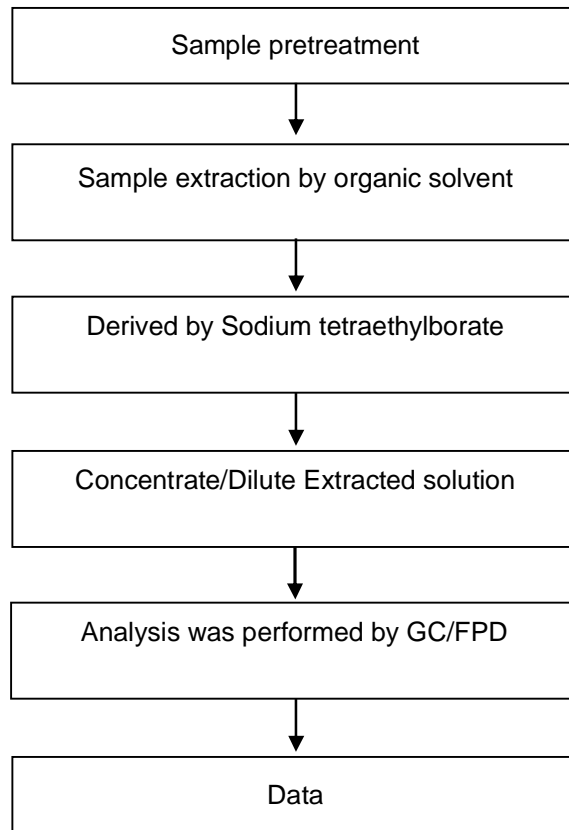
FORMOSA PLASTICS CORPORATION
 NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY, TAIWAN R. O.
 C.

Report No. : KA/2009/31241
 Date : 2009/03/24
 Page : 23 of 24



Analytical flow chart of Organic-Tin content

- 1) Name of the person who made measurement: Anson Tsao
- 2) Name of the person in charge of measurement: Ray Chang



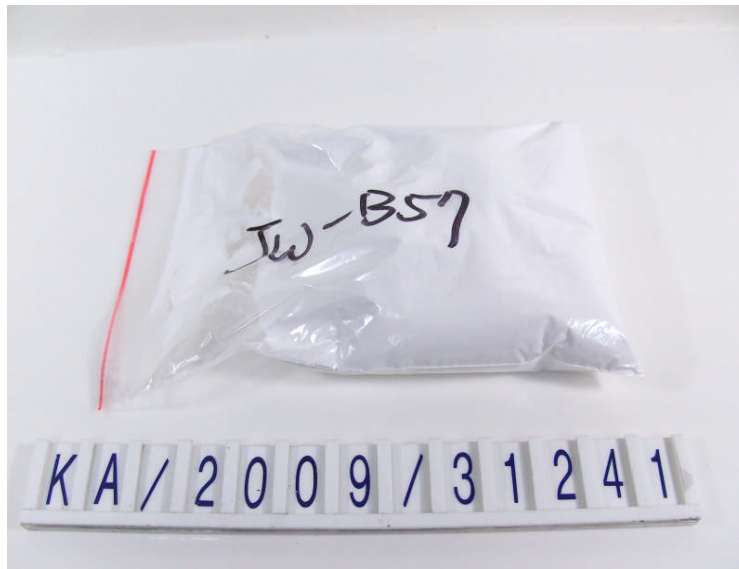
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

FORMOSA PLASTICS CORPORATION
NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY,
TAIWAN R. O. C.

Report No. : KA/2009/31241
Date : 2009/03/24
Page : 24 of 24



** End of Report **

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

No. : KA/2009/80719 Date : 2009/08/18 Page : 1 of 7

FORMOSA PLASTICS CORPORATION
NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY,
TAIWAN R. O. C.



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

Sample Description : PVC
Style/Item No. : JW B57
Sample Receiving Date : 2009/08/12
Testing Period : 2009/08/12 TO 2009/8/18

=====
Test Requested : Fifteen (15) Substances of Very High Concern (SVHC) screening in addition of Cyclododecane by specific client's request.
SVHC candidate list based on the publication by European Chemicals Agency (ECHA) on 2008 October 28, regarding Regulation (EC) No 1907/2006 concerning the REACH.

Test Method : Please refer to next page(s).

Test Result(s) : Please refer to next page(s).

Ray Chang / Asst. Manager
Signed for and on behalf of
SGS Taiwan Limited

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部分複製。
This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

No. : KA/2009/80719 Date : 2009/08/18 Page : 2 of 7

FORMOSA PLASTICS CORPORATION
NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY,
TAIWAN R. O. C.



Test Result(s)

PART NAME NO.1 : WHITE PVC

Test Item (s):	Unit	Method	MDL	Result
				No.1
Anthracene (CAS No.: 000120-12-7)	mg/kg	With reference to ZEK 01.2-08. Analyzed by GC/MS.	0.2	n.d.
4,4' - Diaminodiphenylmethane (CAS No.: 000101-77-9)	mg/kg	With reference to EN 14362-1: 2003. Analyzed by GC/MS.	3	n.d.
BBP (Benzyl butyl phthalate) (CAS No.: 000085-68-7)	%	With reference to EN 14372: 2004. Analyzed by GC/MS.	0.003	n.d.
DBP (Dibutyl phthalate) (CAS No.: 000084-74-2)	%	With reference to EN 14372: 2004. Analyzed by GC/MS.	0.003	n.d.
DEHP (Di- (2-ethylhexyl) phthalate) (CAS No.: 000117-81-7)	%	With reference to EN 14372: 2004. Analyzed by GC/MS.	0.003	n.d.
5-tert-butyl-2,4,6-trinitro- m-xylene (Musk Xylene) (CAS No.: 000081-15-2)	mg/kg	With reference to US EPA 3550C: 1996. Analyzed by GC/MS.	10	n.d.
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α - HBCDD, β - HBCDD, γ - HBCDD) (CAS No.: 025637-99-4 and 003194-55-6 (134237-51-7, 134237-50-6, 134237-52- 8))	mg/kg	With reference to US EPA 3540C: 1996. Analyzed by GC/MS.	5	n.d.
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (CAS No.: 085535-84-8)	mg/kg	With reference to US EPA 3540C: 1996. Analyzed by GC/MS.	100	n.d.
Cobalt dichloride (CAS No.: 007646-79-9)	mg/kg	SGS In-House method-RSTS-EE- SVHC-002. Analyzed by ICP-AES.	5	n.d.
Diarsenic pentaoxide*** (CAS No.: 001303-28-2)	mg/kg	With reference to US EPA 3052: 1996. Analyzed by ICP-AES.***	-	n.d.
Diarsenic trioxide*** (CAS No.: 001327-53-3)	mg/kg	With reference to US EPA 3052: 1996. Analyzed by ICP-AES.***	-	n.d.
Triethyl arsenate*** (CAS No.: 015606-95-8)	mg/kg	With reference to US EPA 3052: 1996. Analyzed by ICP-AES.***	-	n.d.
Lead hydrogen arsenate*** (CAS No.: 007784-40-9)	mg/kg	With reference to US EPA 3052: 1996. Analyzed by ICP-AES.***	-	n.d.
Sodium dichromate*** (CAS No.: 010588-01-9(*))	mg/kg	With reference to US EPA 3060A: 1996. Analyzed by UV-Vis.***	-	n.d.
Bis(tributyltin)oxide*** (CAS No.: 000056-35-9)	mg/kg	With reference to ISO 17353: 2004. Analyzed by GC/FPD.***	-	n.d.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部分複製。
This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

No. : KA/2009/80719 Date : 2009/08/18 Page : 3 of 7

FORMOSA PLASTICS CORPORATION
NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY,
TAIWAN R. O. C.



Additional screening by client's request outside the scope of SVHC as published by ECHA on 2008 October 28:

Test Item (s):	Unit	Method	MDL	Result
				No.1
Cyclododecane (CAS No.: 000294-62-2)	mg/kg	With reference to US EPA 5021. Analyzed by GC/MS.	5	n.d.

Note :

1. mg/kg = ppm; 0.1wt% = 1000ppm
2. n.d.= not detected = below Method detection Limit
3. MDL = Method Detection Limit
4. ***: The substance was calculated by the test results of Tributyl Tin or element (Ex. Arsenic, Lead or Cr(VI) respectively).
The MDL is evaluated for Tributyl Tin or element (Ex. Arsenic, Lead or Cr(VI) respectively).

$$AX = A \times F$$

AX	A	F
Diarsenic pentoxide	Arsenic	1.5339
Diarsenic trioxide		1.3203
Triethyl arsenate		3.0179
Lead hydrogen arsenate	Lead	4.6332
Sodium dichromate		1.6753
Bis(tributyltin)oxide	Hexavalent Chromium Cr(VI)	2.5192
	Tributyl Tin (TBT)	1.0276

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部分複製。
This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

No. : KA/2009/80719 Date : 2009/08/18 Page : 4 of 7

FORMOSA PLASTICS CORPORATION
 NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY,
 TAIWAN R. O. C.



Regarding lead hydrogen arsenate lead and arsenic are tested and used for the calculation of the separated concentration of lead hydrogen arsenate. The final concentration of lead hydrogen arsenate for the report uses the minimum value of above-mentioned two concentration of lead hydrogen arsenate.

The test result is given as:

Test Item (s):	Unit	Method	MDL	Result
				No.1
Arsenic (As)	mg/kg	With reference to US EPA 3052: 1996. Analyzed by ICP-AES.	2	n.d.
Lead (Pb)	mg/kg	With reference to US EPA 3052: 1996. Analyzed by ICP-AES.	2	n.d.
Hexavalent Chromium Cr(VI)	mg/kg	With reference to US EPA 3060A: 1996. Analyzed by UV-Vis.	2	n.d.
Tributyl Tin (TBT) (CAS No.: 000688-73-3)	mg/kg	With reference to ISO 17353: 2004. Analyzed by GC/FPD.	0.03	n.d.

5. (*): conc. of Sodium dichromate dihydrate (CAS No.: 007789-12-0) = conc. of sodium dichromate × 1.1374

6. " - " = Not Regulated

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部分複製。
 This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

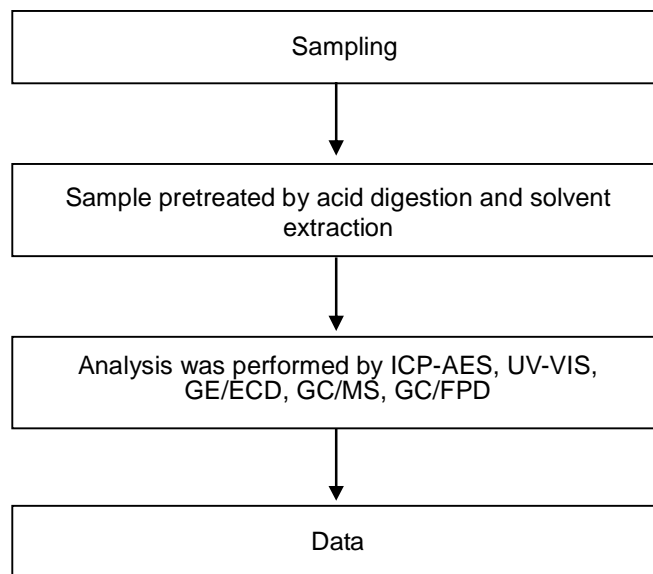
Test Report

No. : KA/2009/80719 Date : 2009/08/18 Page : 5 of 7

FORMOSA PLASTICS CORPORATION
 NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY,
 TAIWAN R. O. C.



Analytical flow chart of SVHC

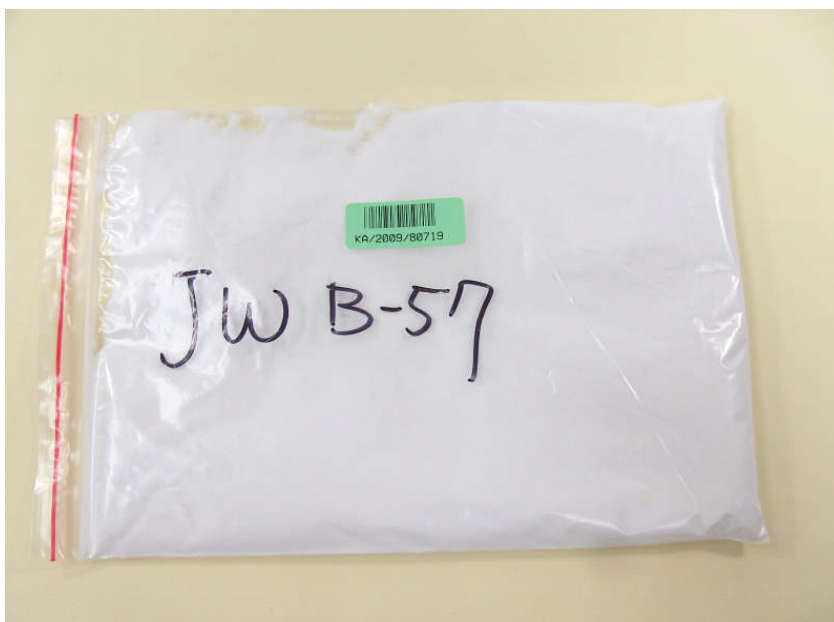


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部分複製。
 This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

No. : KA/2009/80719 Date : 2009/08/18 Page : 6 of 7

FORMOSA PLASTICS CORPORATION
NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY,
TAIWAN R. O. C.



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部分複製。
This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.

Test Report

No. : KA/2009/80719 Date : 2009/08/18 Page : 7 of 7

FORMOSA PLASTICS CORPORATION
NO.100, SHUI-GUAN RD., JEN-WU SHIANG, KAOHSIUNG COUNTY,
TAIWAN R. O. C.



Appendix A

1. The chemical analysis of 15 SVHC is performed by means of currently available analytical techniques against the list published by ECHA on 2008 October 28, and shall refer to http://echa.europa.eu/chem_data/candidate_list_table_en.asp.
This list is under evaluation by ECHA and may subject to change in the future.
2. According to Article 31(1) of Regulation (EC) No 1907/2006 concerning the REACH, the supplier of a substance or a preparation shall provide the recipient of the substance or preparation with a safety data sheet compiled in accordance with Annex II:
 - (a) where a substance or preparation meets the criteria for classification as dangerous in accordance with Directives 67/548/EEC or 1999/45/EC; or
 - (b) where a substance is persistent, bioaccumulative and toxic or very persistent and very bioaccumulative in accordance with the criteria set out in Annex XIII; or
 - (c) where a substance is included in the list established in accordance with Article 59(1) for reasons other than those referred to in points (a) and (b).
3. According to Article 31(3) of Regulation (EC) No 1907/2006 concerning the REACH, the supplier shall provide the recipient at his request with a safety data sheet compiled in accordance with Annex II, where a preparation does not meet the criteria for classification as dangerous in accordance with Articles 5, 6 and 7 of Directive 1999/45/EC, but contains:
 - (a) in an individual concentration of $\geq 1\%$ by weight for non-gaseous preparations and $\geq 0,2\%$ by volume for gaseous preparations at least one substance posing human health or environmental hazards; or
 - (b) in an individual concentration of $\geq 0,1\%$ by weight for non-gaseous preparations at least one substance that is persistent, bioaccumulative and toxic or very persistent and very bioaccumulative in accordance with the criteria set out in Annex XIII or has been included for reasons other than those referred to in point (a) in the list established in accordance with Article 59(1); or
 - (c) a substance for which there are Community workplace exposure limits.
4. If a SVHC is found over the reporting limit, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

** End of Report **

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部分複製。
This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report 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. 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.