

# Test Report

FORMOSA PLASTICS CORPORATION

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

Report No. : KA/2009/31206

Date : 2009/03/23

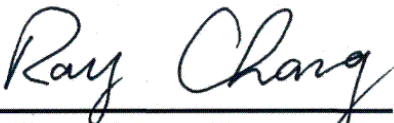
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The following sample(s) was/were submitted and identified by/on behalf of the client as :

Sample Description : WHITE POLYVINYL CHLORIDE  
Style/Item No. : ML-S65S  
Sample Receiving Date : 2009/03/16  
Testing Period : 2009/03/16 TO 2009/3/23

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



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

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## Test Result(s)

PART NAME NO.1

: WHITE POLYVINYL CHLORIDE

Test Item (s)	Unit	Method	MDL	Result No. 1
<b>Phthalates</b>				
DBP(Di-butyl phthalate) (CAS No.000084-74-2)	%	With reference to Chromatographia Vol.47, No.784, 1998. Analysis was performed by GC/MS.	0.003	n.d.
DEHP(Di-(2-ethylhexyl phthalate)) (CAS No.000117-81-7)	%	With reference to Chromatographia Vol.47, No.784, 1998. Analysis was performed by GC/MS.	0.003	n.d.
DIDP(Di-isodecyl phthalate) (CAS No.026761-40-0)	%	With reference to Chromatographia Vol.47, No.784, 1998. Analysis was performed by GC/MS.	0.003	n.d.
DINP(Di-isononyl phthalate) (CAS No.028553-12-0)	%	With reference to Chromatographia Vol.47, No.784, 1998. Analysis was performed by GC/MS.	0.003	n.d.
BBP(Benzyl butyl phthalate) (CAS No.000085-68-7)	%	With reference to Chromatographia Vol.47, No.784, 1998. Analysis was performed by GC/MS.	0.003	n.d.
DNOP(Di-n-octyl phthalate) (CAS No.000117-84-0)	%	With reference to Chromatographia Vol.47, No.784, 1998. Analysis was performed by GC/MS.	0.003	n.d.
DHP(Di-hexyl phthalate) (CAS No.000084-75-3)	%	With reference to Chromatographia Vol.47, No.784, 1998. Analysis was performed by GC/MS.	0.003	n.d.
DCHP(Di-cyclohexyl phthalate) (CAS No.000084-61-7)	%	With reference to Chromatographia Vol.47, No.784, 1998. Analysis was performed by GC/MS.	0.003	n.d.
DEP(Di-ethyl phthalate) (CAS No.000084-66-2)	%	With reference to Chromatographia Vol.47, No.784, 1998. Analysis was performed by GC/MS.	0.003	n.d.
DIOP(Di-isooctyl phthalate) (CAS No.027554-26-3)	%	With reference to Chromatographia Vol.47, No.784, 1998. Analysis was performed by GC/MS.	0.003	n.d.
DMP(Di-methyl phthalate) (CAS No.000131-11-3)	%	With reference to Chromatographia Vol.47, No.784, 1998. Analysis was performed by GC/MS.	0.003	n.d.
DNNP(Di-n-nonyl phthalate) (CAS No.000084-76-4)	%	With reference to Chromatographia Vol.47, No.784, 1998. Analysis was performed by GC/MS.	0.003	n.d.

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Test Item (s)	Unit	Method	MDL	Result
				No. 1
DOA(Diisooctyl adipate) (CAS No.000103-23-1)	%	With reference to Chromatographia Vol.47, No.784, 1998. Analysis was performed by GC/MS.	0.003	n.d.
DPP(Di-pentyl phthalate) (CAS No.000131-18-0)	%	With reference to Chromatographia Vol.47, No.784, 1998. Analysis was performed by GC/MS.	0.003	n.d.
DPRP(Di-propyl phthalate) (CAS No.000131-16-8)	%	With reference to Chromatographia Vol.47, No.784, 1998. Analysis was performed by GC/MS.	0.003	n.d.

Note : 1. mg/kg = ppm; 0.1wt% = 1000ppm

2. n.d. = Not Detected

3. MDL = Method Detection Limit

4. 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%.

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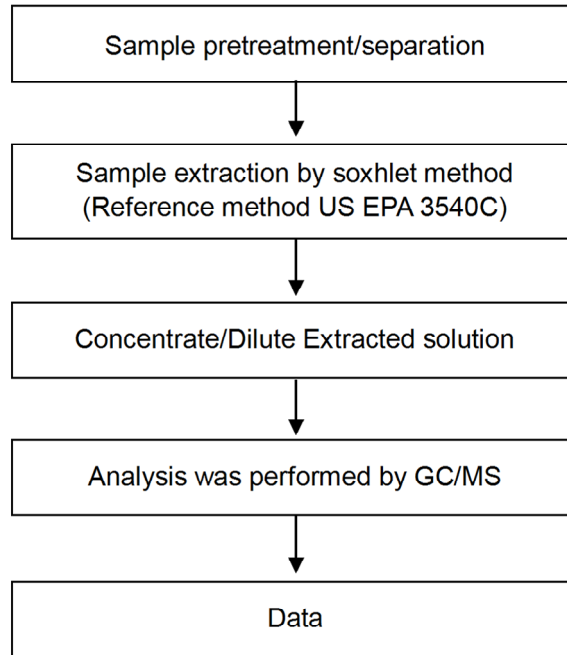
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## Analytical flow chart of phthalate content

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



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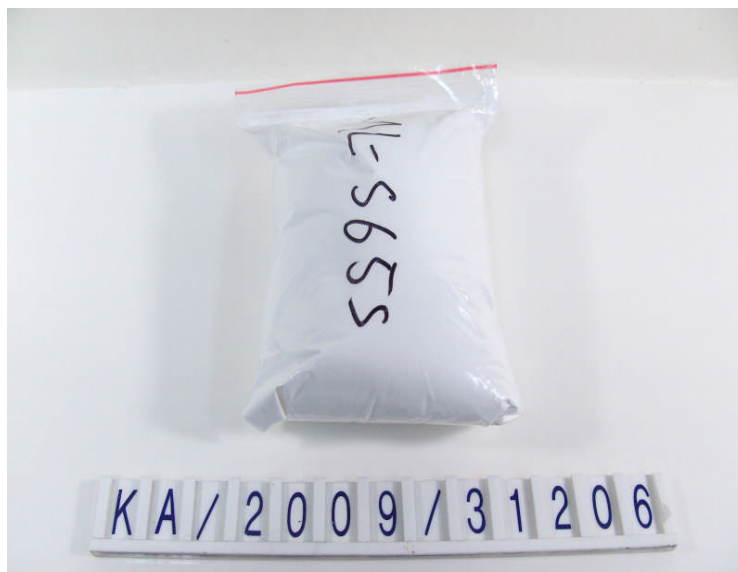
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\*\* End of Report \*\*

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