

Test Report

No. : KE/2008/C0060

Date: 2008/12/05 Page: 1 of 7


LEE CHANG YUNG CHEMICAL INDUSTRY CORPORATION
NO. 2, GIN CHIEN ROAD, TA-SHE PETRO CHEM IND. ZONE,
KAOHSIUNG HSIEN, 815 TAIWAN, R.O.C.



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

Sample Description : POLYPROPYLENE RANDOM COPOLYMER
Style/Item No. : ST611,ST611M,ST861,ST866M,ST868M,ST869M,ST757M,ST800M,ST860M,R
P348UST-612,STM866,STM873,ST757M,8001,8002,8181,8182,8681,8491,
8881,8661,8861,8492,8493,8494,8191,8192
Color : NATURAL
Material Component : POLYPROPYLENE
Sample Receiving Date : 2008/12/01
Testing Period : 2008/12/01 TO 2008/12/05

=====
Test Requested : Fifteen (15) Substances of Very High Concern (SVHC) analysis in addition of Cyclododecane by specific client's request. SVHC 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).


Katherine Ho / Supervisor
Signed for and on behalf of
SGS Taiwan Limited

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TW7875139

Test Report

No. :KE/2008/C0060

Date: 2008/12/05 Page: 2 of 7

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PREPARED BY: 2008-12-05 10:00 AM

TEST PART DESCRIPTION:

NO.1 : NATRUAL POLYPROPYLENE

Test Item (s):	Unit	Method	MDL	Result
				No.1
Anthracene (CAS No.: 000120-12-7)	mg/kg	With reference to ZEK 01.1-08. 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.	20	n.d.
Dibutyl phthalate (DBP) (CAS No.: 000084-74-2)	mg/kg	With reference to EN 14372:2004. Analyzed by GC/MS.	30	n.d.
Benzyl butyl phthalate (BBP) (CAS No.: 000085-68-7)	mg/kg	With reference to EN 14372:2004. Analyzed by GC/MS.	30	n.d.
Bis (2-ethylhexyl) phthalate (DEHP) (CAS No.: 000117-81-7)	mg/kg	With reference to EN 14372:2004. Analyzed by GC/MS.	30	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/ECD.	100	n.d.
Bis(tributyltin)oxide*** (CAS No.: 000056-35-9)	mg/kg	With reference to BS ISO 17353:2004. Analyzed by GC/FPD.	30	n.d.
Cobalt dichloride*** (CAS No.: 007646-79-9)	mg/kg	With reference to US EPA 3052:1996. Analyzed by ICP-AES.	2	n.d.
Diarsenic pentaoxide*** (CAS No.: 001303-28-2)	mg/kg	With reference to US EPA 3052:1996. Analyzed by ICP-AES.	10	n.d.

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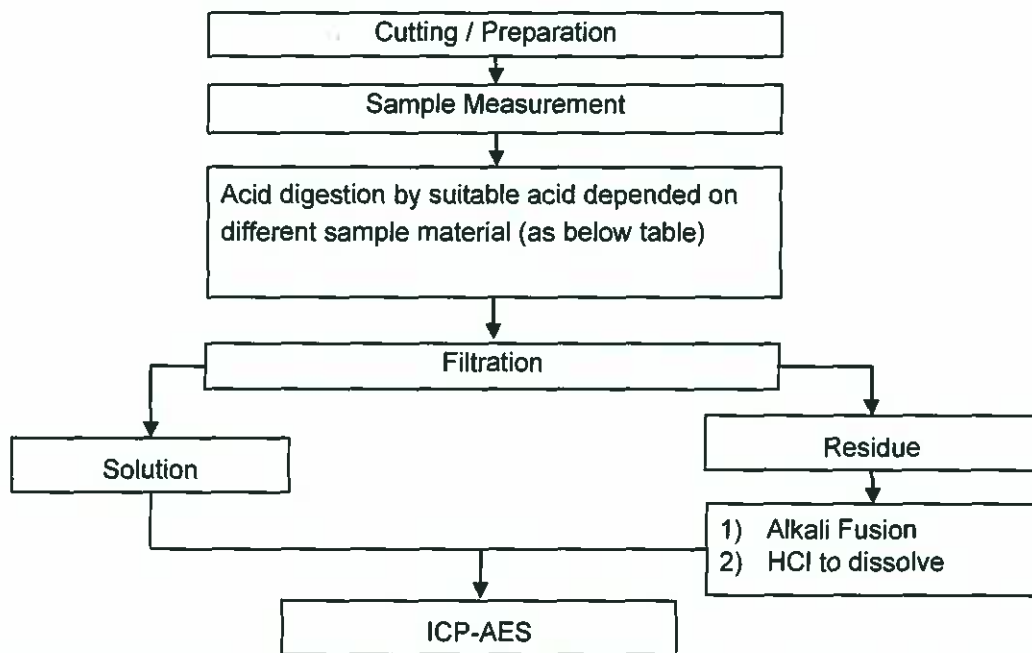
Date: 2008/12/05 Page: 4 of 7

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RECEIVED BY 2009-01-14 10:00 AM (SGS) TEST REPORT 0001

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

Flow Chart of Digestion for elements analysis



Steel, copper, aluminum, solder	Aqua regia, HNO ₃ , HCl, HF, H ₂ O ₂
Glass	HNO ₃ /HF
Gold, platinum, palladium, ceramic	Aqua regia
Silver	HNO ₃
Plastic	H ₂ SO ₄ , H ₂ O ₂ , HNO ₃ , HCl
Others	Any acid to total digestion

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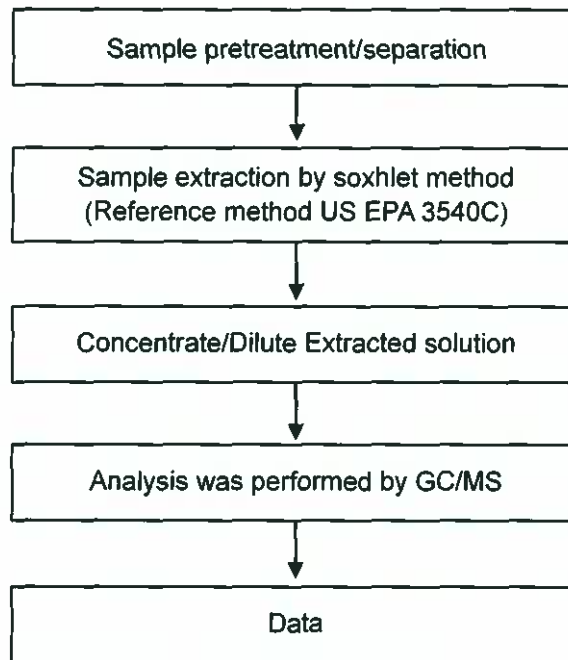
Date: 2008/12/05 Page: 5 of 7

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TEST REPORT FOR PHthalate Content

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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**** End of Report ****

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