



永嘉化學工業股份有限公司
YUNG CHIA CHEMICAL INDUSTRIES CORPORATION

CERTIFICATE OF FREE HARMFUL CHEMICAL MATERIAL

This is to certify that YCCI polypropylene grades do not contain any harmful chemical components as below listed.

Arsenic (AS)
Lead (Pb)
Cadmium (Cd)
Selenium (Se)
Mercury (Hg)
Antimony (Sb)
Barium (Ba)
Nickel (Ni)
Chromium (Cr)

Best regards,

W. J. Chiu

Manager of Technical Department, YCCI



Chemical Laboratory - KAO, SGS Taiwan Ltd.

TEST REPORT

REPORT NO. KA/2004/B0619/A-3
DATE: 2004/12/2
PAGE: 1 OF 2

THE FOLLOWING MERCHANDISE WAS(WERE) SUBMITTED AND IDENTIFIED BY THE CLIENT AS :

CLIENT : FORMOSA PLASTICS CORPORATION
PRODUCT DESCRIPTION : POLYPROPYLENE IMPACT COPOLYMER.
STYLE/ITEM NO. : 3005,3010,3015,3040C,3040,3080,3084,3084H,3154,3204,3304,3354,3554,3504,4054,4084,4204.
TESTING DATE : 2004/11/25 TO 2004/12/2 .
SAMPLE RECEIVED : 2004/11/25.

WE HAVE TESTED THE SAMPLE(S) SUBMITTED AS REQUESTED AND THE FOLLOWING RESULTS WERE OBTAINED.

Table with 5 columns: TEST ITEM(S), UNIT, METHOD, DET. LMT, RESULT. Rows include ARSENIC, BARIUM, CADMIUM, CHROMIUM VI, MERCURY, LEAD, ANTIMONY, and SELENIUM.

Kueilan Chen
Kueilan Chen / Asst. Supervisor
Sign for and on behalf of
SGS Taiwan Limited

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11-10-9002



化學實驗室-高雄

試驗報告

報告號碼: KA/2004/B0620

日期: 2004/12/02

頁數: 1 OF 2

以下貨品係由客戶送樣,且由客戶聲明並經客戶確認如下:

申請廠商 : 台灣塑膠工業股份有限公司
 標品名稱 : 隨意共聚物 聚丙烯
 標品型號 : 5018,5018T,5060T,5060N,5070,5090T,5150T.
 測試執行日期 : 2004/11/25 TO 2004/12/2.
 送樣日期 : 2004/11/25.

測試結果:

測試項目	單位	測試方法	值範圍	測試結果
砷含量	ppm	依照US EPA3052方法或其他酸消化方法,用感應耦合電漿原子發射光譜儀做分析(ICP-AES)	2	n.d.
銀含量	ppm	依照US EPA3050B方法或其他酸消化方法,用感應耦合電漿原子發射光譜儀做分析(ICP-AES)	2	n.d.
銅含量	ppm	依照EN1122方法B:2001或其他酸消化方法,用感應耦合電漿原子發射光譜儀做分析(ICP-AES)	2	n.d.
六價鉻	ppm	依照US EPA3060A & US EPA7196A 測試樣品之六價鉻含量	2	n.d.
汞含量	ppm	依照US EPA3052方法或其他酸消化方法,用感應耦合電漿原子發射光譜儀做分析(ICP-AES)	2	n.d.

黃建智 / 主任

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Member of the SGS Group (Société Générale de Surveillance)



Chemical Laboratory - KAO.,SGS Taiwan Ltd.

TEST REPORT

REPORT NO.KA/2004/B0019/A-3

DATE: 2004/12/2

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TEST ITEM(S)	UNIT	METHOD	DET. LMT	RESULT
PBBs(Polybrominated biphenyls)	—	—	—	—
Bromobiphenyl	%	With reference to USEPA3540C or USEPA3550C. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC)	0.0005	n.d.
Dibromobiphenyl	%		0.0005	n.d.
Tribromobiphenyl	%		0.0005	n.d.
Tetrabromobiphenyl	%		0.0005	n.d.
Pentabromobiphenyl	%		0.0005	n.d.
Hexabromobiphenyl	%		0.0005	n.d.
Heptabromobiphenyl	%		0.0005	n.d.
Octabromobiphenyl	%		0.0005	n.d.
Nonabromobiphenyl	%		0.0005	n.d.
Decabromobiphenyl	%		0.0005	n.d.
PBDEs(Polybrominated biphenyl ethers)	—	—	—	—
Monobromobiphenyl ether	%	With reference to USEPA3540C or USEPA3550C. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC)	0.0005	n.d.
Dibromobiphenyl ether	%		0.0005	n.d.
Tribromobiphenyl ether	%		0.0005	n.d.
Tetrabromobiphenyl ether	%		0.0005	n.d.
Pentabromobiphenyl ether	%		0.0005	n.d.
Hexabromobiphenyl ether	%		0.0005	n.d.
Heptabromobiphenyl ether	%		0.0005	n.d.
Octabromobiphenyl ether	%		0.0005	n.d.
Nonabromobiphenyl ether	%		0.0005	n.d.
Decabromobiphenyl ether	%		0.0005	n.d.

NOTE : n.d. = not detected.

<END>

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Number of the report

TOTAL P.02