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Formosa Plastics Corporation

No.1-1, Shih-Hwa 1ST Rd., Lin-Yuan District, Kaohsiung City, Taiwan (R.O.C.)

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

Material Name Color Style / Item No.	Polypropylene Impact Copolymer White Semi-Clear 3003,3004,3005,3010,3015,3015S,3040,3040C,3040S, 3064H,3080,3080P,3084,3084H,3090,3155,3184,3200W, 3204,3206W,3300N,3304,3354,3504,3600N,4084,4204, 4206,4304,4306,4604		
Material Composition	100% Polypropylene Copolymer		
Sample Submitted By	: Formosa Plastics Corporation		
*	* * * *		
Sample Receiving Date Testing Period	: Jan 07, 2025 : Jan 07, 2025 - Jan 13, 2025		
Test Method & Results	Please refer to next page(s).		

Ray Chang, Ph.D. / Department Manag Signed for and on behalf of SGS Taiwan Ltd. Chemical Laboratory-Kaohsiung

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Test Results

EN71-3: 2019 + A1:2021 - Migration of certain elements

Category III: Scrapped-off toy material

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Method : With reference to EN71-3: 2019 + A1:2021. Analysis of general elements was performed by ICP-MS. Chromium (III) was obtained by calculation, Chromium (VI) was analyzed by LC-ICP-MS. Organic Tin was analyzed by GC-MS.

Test Item		Result (mg/kg)	Reporting Limit	Reference Limit**
Test item		1	(mg/kg)	(mg/kg)
Soluble Aluminum	(AI)	n.d.	50	28,130
Soluble Antimony	(Sb)	n.d.	10	560
Soluble Arsenic	(As)	n.d.	10	47
Soluble Barium	(Ba)	n.d.	50	18,750
Soluble Boron	(B)	n.d.	50	15,000
Soluble Cadmium	(Cd)	n.d.	5	17
Soluble Chromium (III)	(Cr (III))	n.d.	5	460
Soluble Chromium (VI)	(Cr (VI))	n.d.	0.01	0.053
Soluble Cobalt	(Co)	n.d.	10	130
Soluble Copper	(Cu)	n.d.	50	7,700
Soluble Lead	(Pb)	n.d.	10	23
Soluble Manganese	(Mn)	n.d.	50	15,000
Soluble Mercury	(Hg)	n.d.	10	94
Soluble Nickel	(Ni)	n.d.	10	930
Soluble Selenium	(Se)	n.d.	10	460
Soluble Strontium	(Sr)	n.d.	50	56,000
Soluble Zinc	(Zn)	n.d.	50	46,000
Soluble Tin	(Sn)	n.d.	4.9	180,000
Soluble Organic Tin		n.d.		12

Test Item(s)		Soluble Organic Tin Result(s) (mg/kg) 1	MDL (mg/kg)
Methyl tin	(MeT)	n.d.	1.8
Dimethyl tin	(DMT)	n.d.	1.8
Di-n-propyl tin	(DProT)	n.d.	1.8
Butyl tin	(BuT)	n.d.	1.8
Dibutyl tin	(DBT)	n.d.	1.8
Tributyl tin	(TBT)	n.d.	1.8
n-Octyl tin	(MOT)	n.d.	1.8
Tetrabutyl tin	(TeBT)	n.d.	1.8
Diphenyl tin	(DPhT)	n.d.	1.8
Di-n-octyl tin	(DOT)	n.d.	1.8
Triphenyl tin	(TPhT)	n.d.	1.8

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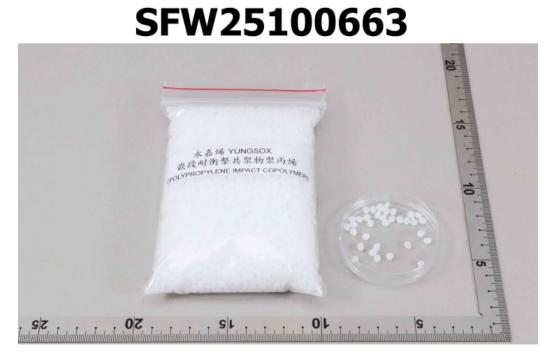
Sample Description :

1. White Semi-Clear Pellets

Note : - mg/kg = milligram per kilogram - n.d. = Not Detected

- 1 % = 10000 mg/kg = 10000 ppm
- Remark : ** = Test requirement in the submitted sample is not applicable. The product scope that mentioned by European Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2019/1922 is for toy material.

Sample Photo



SGS authenticate the photo on original report only

*** End of Report ***

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