Test Report

Formosa Plastics Corporation
No1-1, 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	:	Polypropylene Random Copolymer
Color	:	Clear
Style / Item No.	:	5003, 5018, 5018T, 5020, 5050, 5050F, 5050M, 5050R, 5050S, RM5052, 5060, 5060T, 5070, 5071, 5090R, 5090R2, 5090R3, 5090RF, 5090T, 5100ST, 5200M, 5200XT, 5202F, 5250T, 5350T, 5350RF, 5360T, 5450XT, 5600XT, RT5300, RT5400
Material Composition	:	100%Polypropylene Copolymer
Sample Submitted by	:	Formosa Plastics Corporation

* * * * *

Sample Receiving Date	:	Jan 07, 2026
Testing Period	:	Jan 07, 2026 - Jan 13, 2026
Test Method & Results	:	Please refer to next page(s).

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com.tw/terms-of-service and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at https://www.sgs.com.tw/terms-of-service. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document 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 instruction, 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. This document cannot be reproduced, except in full, without prior written approval of the Company. 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. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Test Results :

EN71-3: 2019 + A2:2024 – Migration of certain elements

Category III: Scrapped-off toy material

Method : With reference to EN71-3: 2019 + A2:2024. Analysis of general elements was performed by ICP-OES. 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 (mg/kg)	Reference Limit** (mg/kg)
		1		
Soluble Aluminum	(Al)	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
Organic Tin	--	n.d.	--	12

Test Item(s)		Organic Tin Result(s) (mg/kg)	MDL (mg/kg)
		1	
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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com.tw/terms-of-service and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at https://www.sgs.com.tw/terms-of-service. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document 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 instruction, 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. This document cannot be reproduced, except in full, without prior written approval of the Company. 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. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

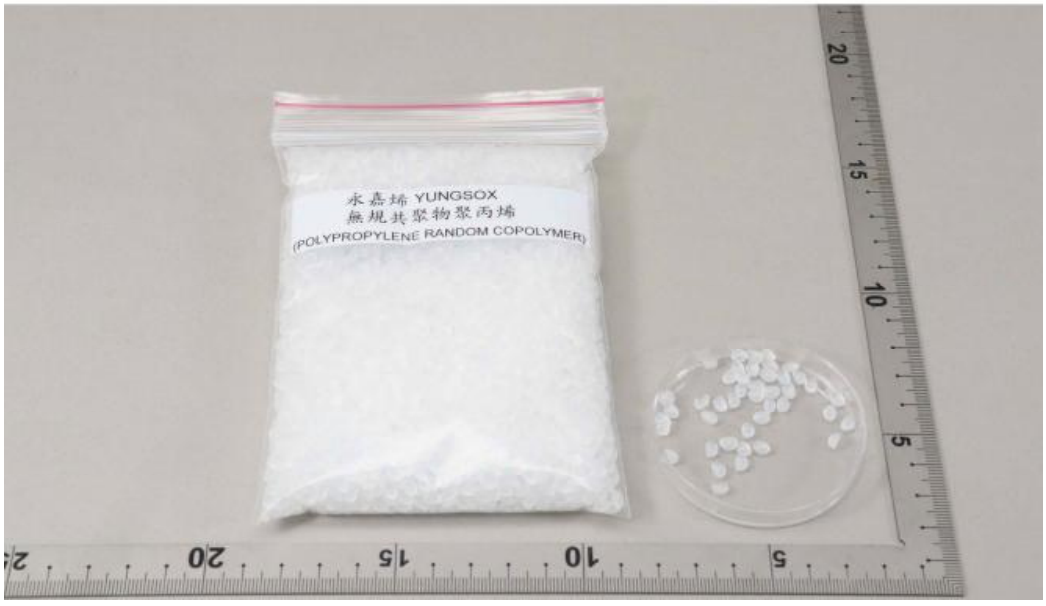
Sample Description :
1. Clear pellets

Note : - mg/kg = milligram per kilogram
- n.d. = Not Detected
- 1 % = 10000 mg/kg = 10000 ppm
- Soluble Chromium (III) = Soluble Total Chromium – Soluble Chromium (VI)

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

SFW26100696



SGS authenticate the photo on original report only

*** End of Report ***

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com.tw/terms-of-service and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at https://www.sgs.com.tw/terms-of-service. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document 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 instruction, 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. This document cannot be reproduced, except in full, without prior written approval of the Company. 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. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.