

HYOSUNG CHEMICAL CORPORATION 235, Banpo-daero Seocho-gu, Seoul Korea

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

SGS File No.	:	AYHA22-12416		
Sample Descrip	tion :	POKETONE F		
Client Reference Data :		M330F, M330F-S, M630F, M630F-S, M730F, M930F, M410F, M M640F	1410F-S, M710F,	
Style no./Item no.		M630F		
Order No.	:	-		
Buyer	:	-		
Manufacturer	:	Hyosung Chemical Corporation		
Country of Orig	in :	Korea		
Country of Destination		-		
Received Date		2022. 07. 29		
Test Period		2022. 07. 29 to 2022. 08. 05		
Test Result(s)		For further details, please refer to following page (s)		
Report Comments :		The results shown in this test report refer only to the sample(s) tested unless otherwise stated.		
		This test report is not related to Korea Laboratory Accreditation S	Scheme.	
		The statement of conformity was made on the requested specification or standard. The decision rule would be based on the binary statement (Pass/Fail) according to ILAC-G8:09/2019 guideline 4.2.1 without taking measurement uncertainty into account by applicant's agreement.		
Result Summar	y :			
Γ	Test Requested		Conclusion	
	_		1	

Test RequestedConclusionDirective 2009/48/EC and its amendment Council Directive (EU) 2017/738,
Commission Directive (EU) 2019/1922 - EN71-3:2019 + A1:2021 - Migration
of certain elements
(All conclusive testing)PASS

SGS Korea Co., Ltd.

Tommy Oh / Chemical Lab Mgr

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Test Results :

Directive 2009/48/EC and its Amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2019/1922 - EN71-3: 2019 + A1:2021 – Migration of certain elements

Category III: Scrapped-off toy material

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

Test Item		Result (mg/kg) 1	Reporting Limit (mg/kg)	Permissible Limit EN71-3:2019 + A1:2021(mg/kg)
Soluble Aluminium	(AI)	ND	50	28,130
Soluble Antimony	(Sb)	ND	10	560
Soluble Arsenic	(As)	ND	10	47
Soluble Barium	(Ba)	ND	50	18,750
Soluble Boron	(B)	ND	50	15,000
Soluble Cadmium	(Cd)	ND	5	17
Soluble Chromium (III)	(Cr (III))	ND	5	460
Soluble Chromium (VI)	(Cr (VI))	ND	0.01	0.053
Soluble Cobalt	(Co)	ND	10	130
Soluble Copper	(Cu)	ND	50	7,700
Soluble Lead	(Pb)	ND	10	23
Soluble Manganese	(Mn)	ND	50	15,000
Soluble Mercury	(Hg)	ND	10	94
Soluble Nickel	(Ni)	ND	10	930
Soluble Selenium	(Se)	ND	10	460
Soluble Strontium	(Sr)	ND	50	56,000
Soluble Tin	(Sn)	ND	4.9	180,000
Soluble Organic Tin		ND		12
Soluble Zinc	(Zn)	ND	50	46,000
Comment / Conclusion		PASS		

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Test Item(s)		Soluble Organic Tin Result(s) (mg/kg)	MDL
iest item(s)		1	(mg/kg)
Dimethyl tin	(DMT)	ND	0.5
Methyl tin	(MeT)	ND	0.5
Di-n-propyl tin	(DProT)	ND	0.5
Butyl tin	(BuT)	ND	0.5
Dibutyl tin	(DBT)	ND	0.5
Tributyl tin	(TBT)	ND	0.5
n-Octyl tin	(MOT)	ND	0.5
Di-n-octyl tin	(DOT)	ND	0.5
Tetrabutyl tin	(TeBT)	ND	0.5
Diphenyl tin	(DPhT)	ND	0.5
Triphenyl tin	(TPhT)	ND	0.5

Sample Description :

1. White plastic

Note. 1. mg/kg = milligram per kilogram

- 2. ND = Not Detected (< MDL)
- 3. 1% = 10000 mg/kg = 10000 ppm
- 4. Soluble Chromium (III) = Soluble Total Chromium Soluble Chromium (VI)

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*** End of Report ***

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