

Test Report

Job No./Report No TR1868059

Date: 5 February 2021

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AKÇALI BOYA VE KIMYA SAN. TIC. A.Ş.

AYAZAGA MAH. MIMAR SINAN SOK. SEBA OFFICE BOULEVARD NO:21 A-29 34485 SARIYER / İSTANBUL

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To the attention of Zekir Şenol

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

Sample No.	Sample Description
A	Permolit Multi-Surface

Client's reference No. : TR 1868059
 Colour : White
 Manufacturer : Akçalı Boya ve Kimya San. Tic. A.Ş.
 Country of Origin : Turkey
 Sample Receiving Date : 29 January 2021
 Test Performing Period : 29 January 2021 ~ 5 February 2021

Overall Conclusion : PASS

Test Results : Please refer to the next page(s).

Performed Test Summary: Selected test(s) as requested by client against Client's performance standard.

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Unless otherwise requested SGS applies shared risk decision rule

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Test Parameters	Result
Chemical tests	A1
Migration of Certain Elements - Category II- Chromium VI Confirmation	M
Migration of Certain Elements - Category II	M

Remarks	:	M = Meets client's requirement
		F = Exceed client's requirement
		I = Inconclusive
		* = No specified requirement
		# = See individual result: Result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component <u>has been carried out</u> as requested to determine the compliance of each component to the requirement
Notes:	Conclusions on meet/fail are based on the test result from the actual sampling of the received sample(s).	
	The composite sampling method is based on the client's special request and is a modification from the testing standard.	
	Residual sample can be returned to client if requested.	

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The test results relate to the tested items only.
Test reports without SGS seal and authorised signatures are invalid.

Issued in Istanbul
Signed for and on behalf of
SGS Supervise Gözetme Etüd Kontrol Servisleri A.Ş.

Mert Kurtuluş
Customer Services Supervisor

Bora Şirinbilek
Hardline & CPCH Testing Services Manager




Component List / List of Materials for Chemical Test

Sample No.	Sample Description	Material No.	Component	Material	Colour
A	Permolit Multi-Surface	A1	Dye	Dye	White

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Directive 2009/48/EC and its Amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725 - EN71-3: 2019 – Migration of certain elements¹
Category II: Liquid or Sticky toy material

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

Test Item	Result (mg/kg)		Reporting Limit (mg/kg)	Permissible Limit (EN71-3: 2019) (mg/kg)
	A1			
Mass of trace amount (mg)	--		--	--
Soluble Aluminium (Al)	529		50	1,406
Soluble Antimony (Sb)	ND		1	11.3
Soluble Arsenic (As)	ND		0.4	0.9
Soluble Barium (Ba)	ND		50	375
Soluble Boron (B)	ND		50	300
Soluble Cadmium (Cd)	ND		0.1	0.3
Soluble Chromium (III) (Cr (III))	ND		1	9.4
Soluble Chromium (VI) (Cr (VI))	ND		0.0025	0.005
Soluble Cobalt (Co)	ND		0.5	2.6
Soluble Copper (Cu)	ND		50	156
Soluble Lead (Pb)	ND		0.2	0.5
Soluble Manganese (Mn)	ND		50	300
Soluble Mercury (Hg)	ND		0.5	1.9
Soluble Nickel (Ni)	ND		9	18.8
Soluble Selenium (Se)	ND		4	9.4
Soluble Strontium (Sr)	ND		50	1,125
Soluble Tin (Sn)	ND		0.08	3,750
Soluble Organic Tin [^]	ND		--	0.2
Soluble Zinc (Zn)	ND		50	938
Conclusion	PASS		--	--

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Note : - mg/kg = milligram per kilogram
- ND = Not Detected
- 1% = 10000 mg/kg = 10000 ppm

- ^ The test result of soluble organic tin was derived from soluble tin screening and then confirmation test for soluble organic tin on component exceeding the screening limit of 0.08 mg/kg soluble Sn.
- Soluble Chromium (III) = Soluble Total Chromium – Soluble Chromium (VI)



* * * End of Test Report * * *

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