AB-0716-T
TURT200120221 _REVISED01
09-20

TEST REPORT

REPORT NUMBER :	**TURT200120221_REVISED01**
APPLICANT NAME	**Efhe Fuar Dan. ve Dış Tic.Ltd.**
ADDRESS	Bahçeşehir 1.K Mesa Nurol SazlıbahçeB59 İkitelli/İstanbul Tel: 0532 683 69 27 **Attention : Oğuz Bey, Serdar Bey (oguzgurdamar@icloud.com;serdar@asmedyam.com)**
SAMPLE DESCRIPTION :	One sample of Mini play dough
DATE IN:	**16 September, 2020 (13:59)**
DATE OUT :	**25 September, 2020 / 29 September, 2020**
TESTED MODEL NO:	-
CLAIMED MODEL NO :	-
COUNTRY OF ORIGIN:	NOT GIVEN
NOTE:	In this revised 01 report, Safety Of Toys – Part 1: Mechanical And Physical Properties test was taken out from report by the request of the applicant. This report replaced the report no TURT200120221 dated on 25 September, 2020 and must be used instead of it. Report no TURT200120221 dated on 25 September, 2020 is invalid.

Ezgi Aleyna Arı Customer Care Executive	Zeynep Akın Chemical Laboratory Manager	Ismail Avcıoğlu Textile Laboratory Assistant Manager	Recep Yarlığan Toys&Hardline/Footwear Laboratory Manager

Intertek Test Hizmetleri A.S.
Merkez Mahallesi Sanayi Cad. No: 23 Altındağ Plaza Yenibosna 34197 - ISTANBUL / TURKEY
Phone : +90.212. 496 46 46 Fax : +90.212. 452 80 55
e-mail : intertekcg.turkiye@intertek.com
www.intertek-turkey.com

TEST	Sample
SAFETY OF TOYS – PART 2: FLAMMABILITY	P
SAFETY OF TOYS – PART 3: MIGRATION OF CERTAIN ELEMENTS	P
PHENOL MIGRATION	P
PHTHALATE CONTENT	P
POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) ANALYSIS	P
DETERMINATION OF PHOSPHORUS FLAME RETARDANTS	P
MIGRATION OF BISPHENOL A IN TOYS	P

P = MEETS BUYER' S REQUIREMENT / F = DOES NOT MEET BUYER' S REQUIREMENT / NR = NO REQUIREMENT / SC=STILL CONTINUES / X=NOT PERFORMED / NA = NOT APPLICABLE/ LS : LACK OF SAMPLE

PARTS	
1	Pink plastic part
2	Red play dough
3	Orange play dough
4	Yellow play dough
5	Blue play dough
6	Green play dough

Remark: Only suitable parts tested for the related tests.

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This report details the clauses appropriate to this item. Those clauses not referred to were considered not applicable.

SAFETY OF TOYS – PART 2: FLAMMABILITY

BS EN 71 – 2 : 2011+ A1:2014

SECTION	*TEST*	*RESULTS*
4.1	**General**	
	Celluloid (cellulose nitrate) and materials with a same burning behaviour in fire	Pass

The test results thus obtained can not be considered as providing an overall indication of the potential fire hazard of toys or materials when subjected to other sources of ignition.

SAFETY OF TOYS - PART 3: MIGRATION OF CERTAIN ELEMENTS

BS EN 71-3:2019

Acid extraction method was used and migration elements content were determined by Inductively Coupled Plasma-ICP_MS.

	Results (mg/kg)				Detection Limit (mg/kg)	Requirements (mg/kg) Category III
	Part 1					
Antimony (Sb)	ND				0,125	560
Arsenic (As)	ND				0,125	47
Barium (Ba)	ND				0,125	18750
Cadmium (Cd)	ND				0,125	17
Chromium (III)	ND				0,125	460
Chromium (VI)	ND				0,025	0,053
Lead (Pb)	ND				0,125	23
Mercury (Hg)	ND				0,0125	94
Selenium (Se)	ND				0,125	460
Aluminium (Al)	ND				0,125	70000
Boron (B)	ND				0,125	15000
Cobalt (Co)	ND				0,125	130
Copper (Cu)	ND				0,125	7700
Manganese (Mn)	ND				0,125	15000
Nickel (Ni)	ND				0,125	930
Strontium (Sr)	ND				0,125	56000
Tin (Sn)	ND				0,125	180000
Organic tin Δ	ND				0,125	12
Zinc (Zn)	ND				0,125	46000

Δ = Confirmation test was performed on the tested component. The reported value was the sum of the migration values of Methyl tin, Butyl tin, Dibutyl tin, Tributyl tin, Tetrabutyl tin, n- Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin and Triphenyl tin after converted to Tributyl tin by calculation.

ppm (Part per million) =mg / kg
ND =Not Detected

SAFETY OF TOYS – PART 3: MIGRATION OF CERTAIN ELEMENTS

BS EN 71-3:2019

Acid extraction method was used and migration elements content were determined by Inductively Coupled Plasma-ICP_MS.

	Results (mg/kg)				Detection Limit (mg/kg)	Requirements (mg/kg) Category I
	Part 2	Part 3	Part 4	Part 5		
Antimony (Sb)	ND	ND	ND	ND	0,125	45
Arsenic (As)	ND	ND	ND	ND	0,125	3,8
Barium (Ba)	0.7	0.7	0.6	ND	0,125	1500
Cadmium (Cd)	ND	ND	ND	ND	0,125	1,3
Chromium (III)	ND	ND	ND	ND	0,125	37,5
Chromium (VI)	ND	ND	ND	ND	0,025	0,002
Lead (Pb)	ND	ND	ND	ND	0,125	2,0
Mercury (Hg)	ND	ND	ND	ND	0,0125	7,5
Selenium (Se)	ND	ND	ND	ND	0,125	37,5
Aluminium (Al)	1.2	1.6	1.7	ND	0,125	5625
Boron (B)	ND	ND	ND	ND	0,125	1200
Cobalt (Co)	ND	ND	ND	ND	0,125	10,5
Copper (Cu)	ND	ND	ND	ND	0,125	622,5
Manganese (Mn)	3.4	3.2	3.5	3.2	0,125	1200
Nickel (Ni)	ND	ND	ND	ND	0,125	75
Strontium (Sr)	3.8	0.6	0.5	0.5	0,125	4500
Tin (Sn)	ND	ND	ND	ND	0,125	15000
Organic tinΔ	ND	ND	ND	ND	0,125	0,9
Zinc (Zn)	4.2	4.1	3.5	3.7	0,125	3750

Note: Dewaxed procedure was applied

Δ = Confirmation test was performed on the tested component. The reported value was the sum of the migration values of Methyl tin, Butyl tin, Dibutyl tin, Tributyl tin, Tetrabutyl tin, n- Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin and Triphenyl tin after converted to Tributyl tin by calculation.

ppm (Part per million) =mg / kg
ND =Not Detected

SAFETY OF TOYS – PART 3: MIGRATION OF CERTAIN ELEMENTS

BS EN 71-3:2019

Acid extraction method was used and migration elements content were determined by Inductively Coupled Plasma-ICP_MS.

	Results (mg/kg)				Detection Limit (mg/kg)	Requirements (mg/kg) Category I
	Part 6					
Antimony (Sb)	ND				0,125	45
Arsenic (As)	ND				0,125	3,8
Barium (Ba)	ND				0,125	1500
Cadmium (Cd)	ND				0,125	1,3
Chromium (III)	ND				0,125	37,5
Chromium (VI)	ND				0,025	0,002
Lead (Pb)	ND				0,125	2,0
Mercury (Hg)	ND				0,0125	7,5
Selenium (Se)	ND				0,125	37,5
Aluminium (Al)	1.0				0,125	5625
Boron (B)	ND				0,125	1200
Cobalt (Co)	ND				0,125	10,5
Copper (Cu)	ND				0,125	622,5
Manganese (Mn)	3.1				0,125	1200
Nickel (Ni)	ND				0,125	75
Strontium (Sr)	0.6				0,125	4500
Tin (Sn)	ND				0,125	15000
Organic tinΔ	ND				0,125	0,9
Zinc (Zn)	3.4				0,125	3750

Note: Dewaxed procedure was applied

Δ = Confirmation test was performed on the tested component. The reported value was the sum of the migration values of Methyl tin, Butyl tin, Dibutyl tin, Tributyl tin, Tetrabutyl tin, n- Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin and Triphenyl tin after converted to Tributyl tin by calculation.

ppm (Part per million) =mg / kg
ND =Not Detected

PHENOL MIGRATION

EN71 Part 10 and 11 : 2005

COMPOUNDS	RESULT (mg/L)	Limit (mg/L)
Part 1	Not Detected	5

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PHTHALATE CONTENT

EN 14372 : 2004 Method By Gas Chromotographic-Mass Spectrometric (GC-MS) Analysis :

	Part 1
DIBUTYL PHTHALATE (DBP)	ND
DIETHYL HEXYL PHTHALATE (DEHP)	ND
BENZYL BUTYL PHTHALATE (BBP)	ND
SUM OF THREE PHTHALATES	ND
DI-ISO-NONYL PHTHALATE (DINP)	ND
DI-N-OCTYL PHTHALATE (DNOP)	ND
DI-ISO-DECYL PHTHALATE (DIDP)	ND
SUM OF THREE PHTHALATES	ND

ND	=Not Detected (Tespit Edilmedi)
ppm (part per million)	=mg / kg
Detection Limit	=DIDP, DINP: 100 ppm, Other Phthalates: 10 ppm
<	=Less Than
LIMIT (MAX.)	=DBP,DEHP,BBP < 1000 ppm ; DINP, DNOP, DIDP < 1000 ppm

POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) ANALYSIS

INTERTEK IHTM AL.2.032 based on AfPS GS 2019:01

	Part 1	RESULT (mg/kg)	REQUIREMENT
1	Benzo (a) pyrene	**Not Detected**	< 0.5 ppm
2	Benzo (e) pyrene	**Not Detected**	< 0.5 ppm
3	Benzo (a) anthracene	**Not Detected**	< 0.5 ppm
4	Benzo (b) fluoranthene	**Not Detected**	< 0.5 ppm
5	Benzo (j) fluoranthene	**Not Detected**	< 0.5 ppm
6	Benzo (k) fluoranthene	**Not Detected**	< 0.5 ppm
7	Chrysene	**Not Detected**	< 0.5 ppm
8	Dibenzo (a,h) anthracene	**Not Detected**	< 0.5 ppm

ppm (part per million) = mg / kg
Detection Limit = 0.1 ppm
< = less then

DETERMINATION OF PHOSPHORUS FLAME RETARDANTS

INTERTEK IHTM AL.2.405 refer to ISO 17881-2:2016

Part 1		CAS No	RESULTS (ppm)	REQUIREMENT
Tris(2-chloroethyl) phosphate	TCEP	115-96-8	**ND**	5 ppm
Tris(2-chloro-1-methylethyl) phosphate	TCPP	13674-84-5	**ND**	5 ppm
Tris 2-chloro-1-(chloromethyl)ethyl phosphate	TDCP	13674-87-8	**ND**	5 ppm

ppm (part per million) = mg/kg
Detection Limit = 1 ppm
ND = Not Detected

MIGRATION OF BISPHENOL A IN TOYS

EN71 Part 10 and 11 : 2005

	RESULT	REQUIREMENT
Part 1	**ND**	**0,04 mg/L**

ppm (parts pert million) = mg/kg

ND = Not Detected

Detection Limit=0.01 mg/L

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SAMPLE PHOTO

TESTED PHOTO

END OF TEST REPORT

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