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AB-1110-T

2300010272

04-23

TEST REPORT**Overall Rating:****PASS**

Report Nr / Revision Nr : 2300010272
Applicant : ZENO ENDÜSTRİ SAN.ÜRÜNLERİ.A.Ş.
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Sample Accepted on : 28.03.2023
Test Resulted Date : 7.04.2023
Date Release Report : 7.04.2023
Total number of pages : 10
Sample ID : 2 TOY - OBJECT PAINTING

Explanation

OBJECT PAINTING - ITEM NO - 7178

Decision Rule :**Stated by the customer "3-Declaration of conformity is requested without MU consideration".****Disclaimer Statement :**

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	TEST	METHOD	RESULT
*	EN 71-1-SAFETY OF TOYS-PART 1:MECHANICAL AND PHYSICAL PROPERTIES	EN 71-1:2014+A1:2018	P
*	SAFETY OF TOYS-PART 2: FLAMMABILITY	EN 71-2:2020	P
*	DETERMINATION OF AZO DYES	ISO 14362-1:2017	P
*	PHTHALATES	CPSC-CH-C1001.09:2018	P
*	SAFETY OF TOYS-PART 3: MIGRATION OF CERTAIN ELEMENTS	EN 71-3:2019+A1:2021-K2	P
*	SAFETY OF TOYS-PART 3: MIGRATION OF CERTAIN ELEMENTS	EN 71-3:2019+A1:2021-K1	P
*	SAFETY OF TOYS-PART 3: MIGRATION OF CERTAIN ELEMENTS	EN 71-3:2019+A1:2021-K3	P
*	DETERMINATION OF PAH's	AfPS GS:2019:01	P

Seal

Customer Service Team Leader
ALİ CAN AKYAZI
7.04.2023

Laboratory Manager
ERAY ERTAŞ
7.04.2023



P: Pass F: Fail X:NA: Not Applicable LS: Lack of Sample NR: No Requirement SC: Still Continue I: Inconclusive

AZOLAB Laboratuvar Hizmetleri A.Ş., accredited by TÜRKAK under registration number AB-1110-T for TS EN ISO/IEC 17025:2017 as test laboratory"

Turkish Accreditation Agency (TÜRKAK) is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA) for the recognition of test reports

Test results, methods and other information about the sample shown in the relevant pages of this Report are based on the information specified in accordance with "Test Request Form (PR03-F01) conveyed to us from the Applicant. Test results are valid for the sample as identified above. Sample may not represent the lot which it belongs. This Report does not replace a Product Certificate. Full report or any part of it may not be reproduced or used for any other purpose without the written permission of Azolab Laboratory. Sampling has not been done by us. Unsigned and unsealed Reports are invalid. Analysis as indicated with "*" are in the Scope of our Accreditation Certificate issued from TÜRKAK according to TS EN ISO/IEC 17025.

Analysis as indicated with "***" made external laboratory in the Scope of them Accreditation Certificate issued from TÜRKAK according to TS EN ISO/IEC 17025. Possible extra notes may add with starting N° to related pages. Tested and remaining samples will be kept in specified terms & conditions at test request and/or proposal form. Physically, chemically and microbiologically decomposed samples are discarded regardless of the storage period. Applicant can not claim any right in this regard. k=2, 95% confidence interval. This report including, requested by applicant rule applied, this information at specify in the first page. In case the decision rule is applied, the applied test and uncertainty are given with the result table and marked.

PR22-F01/08.10.2015/Rev:23.05.2022-R09

Sayfa 1 / 10

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Photo of the sample received

10272

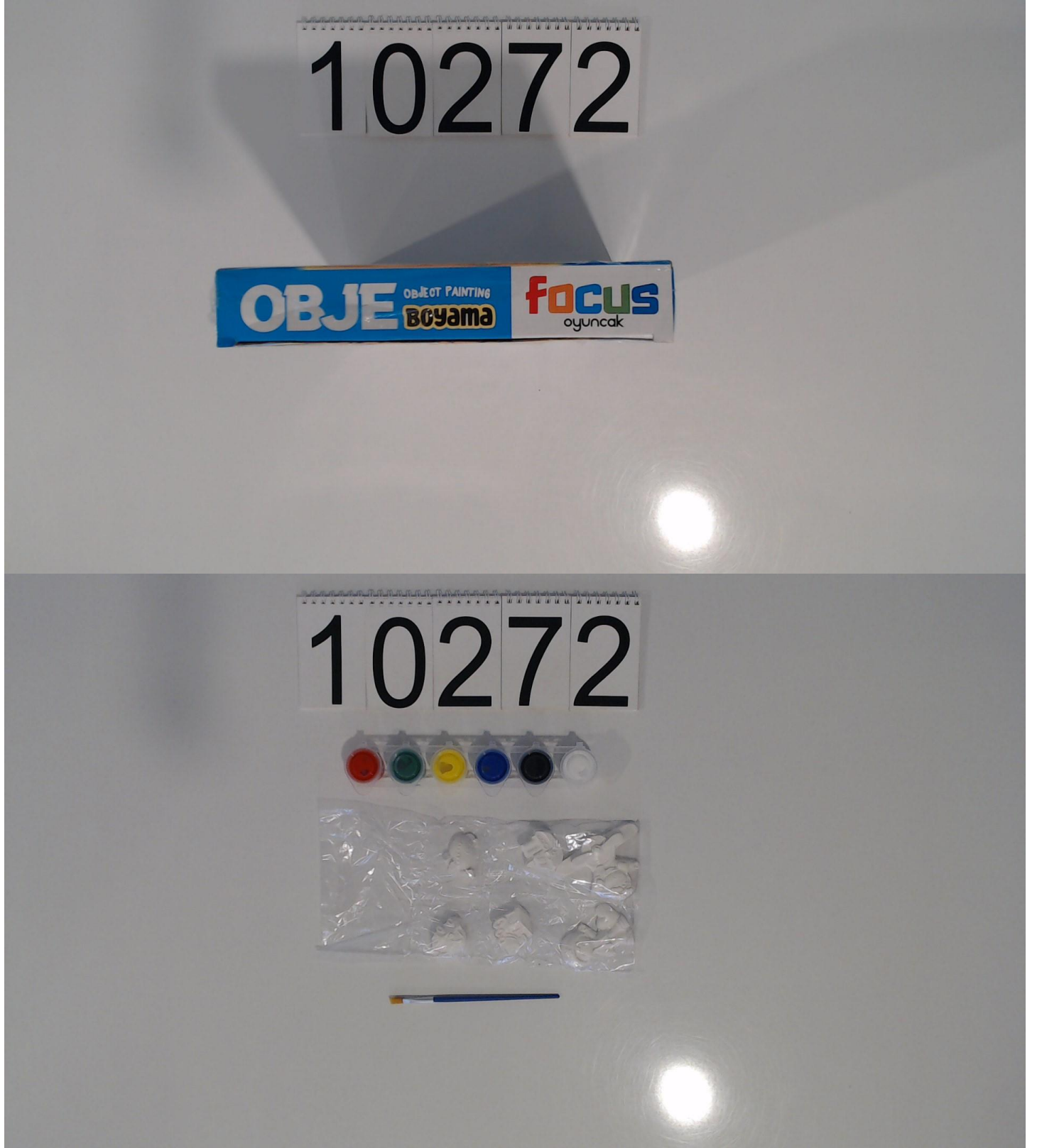


10272



TEST REPORT

Photo of the sample received



TEST REPORT

Sample ID	Part No.	Part ID	Explanatory Information
A TOY - OBJECT PAINTING - -	Part 1	Dye black	
A	Part 2	Dye blue	
A	Part 3	Dye green	
A	Part 4	Dye red	
A	Part 5	Dye white	
A	Part 6	Dye yellow	
A	Part 7	Plaster white piece	
A	Part 8	Plastic blue brush handle	
A	Part 9	Plastic orange brush tip	
A	Part 10	Plastic transparent dye cover	

Summary of Results

Parts & Results															
Parts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
DETERMINATION OF AZO DYES	P	P	P	P	P	P	X	X	X	X					
PHthalates	P	P	P	P	P	P	X	P	P	P					
SAFETY OF TOYS- PART 3: MIGRATION OF CERTAIN ELEMEN	P	P	P	P	P	P	P	P	P	P					
SAFETY OF TOYS- PART 3: MIGRATION OF CERTAIN ELEMEN	P	P	P	P	P	P	P	P	P	P					
SAFETY OF TOYS- PART 3: MIGRATION OF CERTAIN ELEMEN	P	P	P	P	P	P	P	P	P	P					
DETERMINATION OF PAH's	P	P	P	P	P	P	X	P	P	P					

TEST REPORT**DETERMINATION OF AZO DYES**

ISO 14362-1:2017

Tested Parts	STANDART NUMBER	TEST	Evaluation
4	< 5	30	PASS
3	< 5	30	PASS
6	< 5	30	PASS
2	< 5	30	PASS
1	< 5	30	PASS
5	< 5	30	PASS

Cot(Cotton) : Contains Natural Fibres.
Pes(Polyester) : Contains Dispers Dyes.
Cot/Pes(Cotton/Polyester) : Contains Disperse Dyes and Natural Fibers

Limit Value : It is given by the EU Regulation 1907/2006 (REACH), Annex XVII Entry 43

Reporting Limit : 5 ppm
< : Less than
ppm (part per million) : mg/kg

Forbidden Compounds :

4- Aminodiphenyl	(CAS No : 92-67-1)	4,4'-Methylen-bis-(2-chloraniline)	(CAS No : 101-14-4)
Benzidine	(CAS No : 92-87-5)	4,4'-oxydianiline	(CAS No : 101-80-4)
4-chloro-o-toluidine	(CAS No : 95-69-2)	4,4'-thiodianiline	(CAS No : 139-65-1)
2-Naphthylamine	(CAS No : 91-59-8)	o-toluidine	(CAS No : 95-53-4)
o-amino-azotoluene	(CAS No : 97-56-3)	2,4-toluylenediamine	(CAS No : 95-80-7)
2-amino-4-nitrotoluene	(CAS No : 99-55-8)	2,4,5-trimethylaniline	(CAS No : 137-17-7)
p-chloroaniline	(CAS No : 106-47-8)	o-anisidine	(CAS No : 90-04-0)
2,4-diaminoaniline	(CAS No : 615-05-4)	p-cresidine	(CAS No : 120-71-8)
4,4'-diamino-diphenylmethane	(CAS No : 101-77-9)	3,3'-Dimethylbenzidine	(CAS No : 119-93-7)
3,3'-Dichlorobenzidine	(CAS No : 91-94-1)	4-aminoazobenzene(4-aab)***	(CAS No : 60-09-3)
3,3'-Dimethoxybenzidine	(CAS No : 119-90-4)	4,4'-methylenedi-o- toluidine	(CAS No : 838-88-0)
2,4 Xylidine	(CAS No : 95-68-1)	2,6 Xylidine	(CAS No : 87-62-7)

***Azo colorants that are able to form 4-aminoazobenzene generate under the condition of this method aniline and 1,4-phenylenediamine. The presence of 4-aminoazobenzene releasing colorants should be tested by ISO 14362-3:2017.

The results have been determined by the device of Gas Chromatography - Mass Spectroscopy (GC- MS)

TEST REPORT**FTALAT**

CPSC-CH-C1001.09:2018

Tested Parts	Result (mg/kg)	Result (%)	Total Results (mg/kg)	Total Results (%)	Limit Value (mg/kg)	Limit Value (%)	Evaluation
10+8+9	< 60	<0.006	< 60	<0.006	Total : 1000	Total : 0.1	PASS
4+3+6	< 60	<0.006	< 60	<0.006	Total : 1000	Total : 0.1	PASS
2+1+5	< 60	<0.006	< 60	<0.006	Total : 1000	Total : 0.1	PASS

Limit Value : It is given by the EU Regulation 1907/2006 (REACH), Annex XVII Entry 51&52
: Total Phthalates 0.1 %

Reporting Limit : 60 ppm (0.006 %)
< : Less than
ppm (part per million) : mg/kg

Forbidden Compounds : LIMIT (MAX.) = Total DBP, DEHP, BBP, DIBP < 1000 ppm; Total DINP, DNOP, DIDP < 1000 ppm

Di-iso-nonyl phthalate	(DINP)	(CAS No : 28553-12-0 /68515-48-0)
Di-isodecyl phthalate	(DIDP)	(CAS No : 26761-40-0/68515-49-1)
Di-n-octyl phthalate	(DNOP)	(CAS No : 117-84-0)
Di-(2-ethylhexyl)-phthalate	(DEHP)	(CAS No : 117-81-7)
Dibutylphthalate	(DBP)	(CAS No : 84-74-2)
Butylbenzyl phthalate	(BBP)	(CAS No : 85-68-7)
Bis-iso-butyl phthalate	(DIBP)	(CAS No : 84-69-5)

The results have been determined by the device of Gas Chromatography - Mass Spectroscopy (GC- MS)

TEST REPORT**SAFETY OF TOYS-PART 3: MIGRATION OF CERTAIN ELEMENTS**

EN 71-3:2019+A1:2021-K2

Tested Parts	Result (ppm)	Limit Value (ppm)	Evaluation
3	Stronsiyum (Sr) : 34	It's given below	PASS
6	Stronsiyum (Sr) : 26	It's given below	PASS
2	Stronsiyum (Sr) : 29	It's given below	PASS
1	Stronsiyum (Sr) : 25	It's given below	PASS
5	Stronsiyum (Sr) : 20	It's given below	PASS
4	Stronsiyum (Sr) : 26	It's given below	PASS

Limit Value : It is given by Safety of toys Part 3: Migration of certain elements- Liquid, Sticky,Category 2.

Reporting Limit : Mercury (Hg) 0,0125 ppm;Chromium (Cr+6) 0,001 ppm ;Chromium (Cr +3) 0,47 ppm;Tin (Sn) 0,02 ppm;
Others 0,125ppm

< : Less than

ppm (part per million) : mg/kg

ND : Not Detected

Controlled Metals and Requirements Category-2:

Arsenic (As)	(CAS No :7440-38-2)	0,9 ppm	Selenium (Se)	(CAS No :7782-49-2)	9.4 ppm
Mercury (Hg)	(CAS No :7439-97-6)	1.9 ppm	Barium (Ba)	(CAS No :7440-39-3)	375 ppm
Chromium (Cr +3)	(CAS No :7440-47-3)	9.4 ppm	Chromium (Cr +6)	(CAS No : 18540-29-9)	0.005 ppm
Manganese (Mn)	(CAS No :7439-96-5)	300 ppm	Lead (Pb)	(CAS No :7439-92-1)	0.5 ppm
Cobalt (Co)	(CAS No :7440-48-4)	2.6 ppm	Aluminium (Al)	(CAS No :7429-90-5)	560 ppm
Nickel (Ni)	(CAS No :7440-02-0)	18.8 ppm	Strontium (Sr)	(CAS No :7440-24-6)	1125 ppm
Copper (Cu)	(CAS No :7440-50-8)	156 ppm	Tin (Sn)	(CAS No :7440-31-5)	3750 ppm
Cadmium (Cd)	(CAS No :7440-43-9)	0.3 ppm	Zinc (Zn)	(CAS No :7440-66-6)	938 ppm
Antimony (Sb)	(CAS No :7440-36-0)	11.3 ppm	Boron (B)	(CAS No :7440-42-8)	300 ppm

* Confirmation test was performed on the tested component. Please see Migration of certain elements- Organotins table.

**Confirmation test on the tested metal was determined by Ion Chromatography-Inductively Coupled Plasma and Mass Spectroscopy (IC-ICP-MS).

The results have been determined by the device of Inductively Coupled Plasma - Mass Spectrometer (ICP- MS).

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SAFETY OF TOYS-PART 3: MIGRATION OF CERTAIN ELEMENTS

EN 71-3:2019+A1:2021-K1

Tested Parts	Result (ppm)	Limit Value (ppm)	Evaluation
7	Stronsiyum (Sr) : 55	It's given below	PASS

Limit Value : It is given by Safety of toys Part 3: Migration of certain elements- Dry, Fragile, Category 1.

Reporting Limit : Mercury (Hg) 0,0125 ppm ; Chromium (Cr +6) 0,001 ppm ; Chromium (Cr +3) 0,47 ppm ; Organic (Tin) 0,02 ppm; Others 0,125 ppm.

< : Less than

ppm (part per million) : mg/kg

ND : Not Detected

Controlled Metals and Requirements Category-1:

Arsenic (As)	(CAS No :7440-38-2)	3.8 ppm	Selenium (Se)	(CAS No :7782-49-2)	37.5 ppm
Mercury (Hg)	(CAS No :7439-97-6)	7.5 ppm	Barium (Ba)	(CAS No :7440-39-3)	1500 ppm
Chromium (Cr +3)	(CAS No :7440-47-3)	37,5 ppm	Cromium (Cr +6)	(CAS No : 18540-29-9)	0.02 ppm
Manganese (Mn)	(CAS No :7439-96-5)	1200 ppm	Lead (Pb)	(CAS No :7439-92-1)	2 ppm
Cobalt (Co)	(CAS No :7440-48-4)	10.5 ppm	Aluminium (Al)	(CAS No :7429-90-5)	2250 ppm
Nickel (Ni)	(CAS No :7440-02-0)	75 ppm	Strontium (Sr)	(CAS No :7440-24-6)	4500 ppm
Copper (Cu)	(CAS No :7440-50-8)	622.5 ppm	Tin (Sn)	(CAS No :7440-31-5)	15000 ppm
Cadmium (Cd)	(CAS No :7440-43-9)	1.3 ppm	Zinc (Zn)	(CAS No :7440-66-6)	3750 ppm
Antimony (Sb)	(CAS No :7440-36-0)	45 ppm	Boron (B)	(CAS No :7440-42-8)	1200 ppm

* Confirmation test was performed on the tested component. Please see Migration of certain elements- Organotins table.

**Confirmation test on the tested metal was determined by Ion Chromatography-Inductively Coupled Plasma and Mass Spectroscopy (IC-ICP-MS).

The results have been determined by the device of Inductively Coupled Plasma - Mass Spectrometer (ICP- MS).

TEST REPORT
SAFETY OF TOYS-PART 3: MIGRATION OF CERTAIN ELEMENTS

EN 71-3:2019+A1:2021-K3

Tested Parts	Result (ppm)	Limit Value (ppm)	Evaluation
10	< 0.125	It's given below	PASS
8	< 0.125	It's given below	PASS
9	< 0.125	It's given below	PASS

Limit Value : It is given by Safety of toys Part 3: Migration of certain elements- Scraped-off Materials, Category 3.

Reporting Limit : Mercury (Hg) 0,0125 ppm ; Chromium (Cr +6) 0,001 ppm ; Chromium (Cr +3) 0,47 ppm ; Organic (Tin) 0,02 ppm; Others 0,125 ppm.

< : Less than

ppm (part per million) : mg/kg

ND : Not Detected

Controlled Metals and Requirements Category-3:

Arsenic (As)	(CAS No :7440-38-2)	47 ppm	Selenium (Se)	(CAS No :7782-49-2)	460 ppm
Mercury (Hg)	(CAS No :7439-97-6)	94 ppm	Barium (Ba)	(CAS No :7440-39-3)	18750 ppm
Chromium (Cr +3)	(CAS No :7440-47-3)	460 ppm	Chromium (Cr +6)	(CAS No : 18540-29-9)	0.053 ppm
Manganese (Mn)	(CAS No :7439-96-5)	15000 ppm	Lead (Pb)	(CAS No :7439-92-1)	23 ppm
Cobalt (Co)	(CAS No :7440-48-4)	130 ppm	Aluminium (Al)	(CAS No :7429-90-5)	28130 ppm
Nickel (Ni)	(CAS No :7440-02-0)	930 ppm	Strontium (Sr)	(CAS No :7440-24-6)	56000 ppm
Copper (Cu)	(CAS No :7440-50-8)	7700 ppm	Tin (Sn)	(CAS No :7440-31-5)	180000 ppm
Cadmium (Cd)	(CAS No :7440-43-9)	17 ppm	Zinc (Zn)	(CAS No :7440-66-6)	46000 ppm
Antimony (Sb)	(CAS No :7440-36-0)	560 ppm	Boron (B)	(CAS No :7440-42-8)	15000 ppm

* Confirmation test was performed on the tested component. Please see Migration of certain elements- Organotins table.

**Confirmation test on the tested metal was determined by Ion Chromatography-Inductively Coupled Plasma and Mass Spectroscopy (IC-ICP-MS).

The results have been determined by the device of Inductively Coupled Plasma - Mass Spectrometer (ICP- MS).

DETERMINATION OF PAH's

AfPS GS:2019:01

Tested Parts	Result (ppm)	Limit Value (ppm)	Evaluation
10+8+9	< 0.050	0.5	PASS
4+3+6	< 0.050	0.5	PASS
2+1+5	< 0.050	0.5	PASS

Limit Value : It is given by the KKDIK.

For any for one : 0.5 mg/kg

Reporting Limit : 0.05 ppm

< : Less than

ppm (part per million) : mg/kg

Controlled Components:

Benz[a]anthracene	(CAS No : 56-55-3)
Benzo[k]fluoranthene	(CAS No : 207-08-9)
Benzo[a]pyrene	(CAS No : 50-32-8)
Benzo(e)pyrene	(CAS No : 192-97-2)
Chrysene	(CAS No : 218-01-9)
Benzo[j]fluoranthene	(CAS No : 205-82-3)
Dibenz[a,h]anthracene	(CAS No : 53-70-3)
Benz[b]fluoranthene	(CAS No : 205-99-2)

The results have been determined by the device of Gas Chromatography - Mass Spectroscopy (GC- MS)

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Specimen Description : / OBJECT PAINTING**EN 71-1-SAFETY OF TOYS-PART 1:MECHANICAL AND PHYSICAL PROPERTIES**

EN 71-1:2014+A1:2018

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

-The item was tested for children aged over 36 months.

SECTION	TEST	RESULT
4	GENERAL REQUIREMENTS	Pass
4.1	Material Cleanliness	Pass
4.7	Edges	Pass(a+c)
4.8	Points And Metallic Wires	Pass(a+e)
6	PACKAGING	Pass(a)
7	WARNINGS, MARKINGS AND INSTRUCTIONS FOR USE	Relevant ##
7.1	General	Relevant
7.2	Toys Not Intended For Children Under 36 Months	Relevant

The text of this note is for information only and the indents do not constitute requirements of this European Standard. The information is not exhaustive and Directive 2009/48/EC and the associated guidance documents should be consulted for further details.

The toy or, its packaging or document accompanying must be labelled with:

- The name and address of the manufacturer** **(Present)**
- The name and address of the importer.** **(Present)**
- type, batch, serial or model number or other element allowing of toy identification **(Present)**
- The following advisory note: "Retain for future reference", if the information is not on the toy itself **(Present) (The information is on the toy itself)**
- A CE mark in the correct shape and size. **(Present)**
- Warning and other information should be in the national language(s) of the countries where the toy is marketed.

** In the case of the toy sell in European countries, the toy, its packaging or document accompanying must be labelled with the name and address of the manufacturer and importer.

Specimen Description : / OBJECT PAINTING**SAFETY OF TOYS-PART 2: FLAMMABILITY**

EN 71-2:2020

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

SECTION	TEST	RESULT
4.1	General	Pass
	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.