

TEST REPORT

Report Status : PASS
Report Nr/Revision Nr/Release Date : 2400043334/0/13.11.2024
Agency Name : ZENO ENDÜSTRİ SAN.ÜRÜNLERİ A.Ş.
Contact e-mail : NAMIK KEMAL MAH. 22. SK. NO: 4/1A, İSTANBUL
Sample Accepted on : 07.11.2024
Test Resulted Date : 12.11.2024
Date Release Report : 13.11.2024
Sample ID : PENGUIN TOWER
Total Number of Pages : 10
Disclaimer : -
Decision Rule : 3-The simple acceptance rule was applied.
Conformity Assessment :
Model / Item No : S02005069

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

Seal

Tuğçe Genç
Uzman Müşteri Temsilcisi / Senior
Customer Representative

13.11.2024

e-imzalıdır

Görkem EROĞLU
Hardlines Bölüm Müdürü
/ Hardlines Division Manager

13.11.2024

e-imzalıdır



P: Pass F: Fail ND: Not Detected 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 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 Laboratuvar. 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 N¹ to related pages. Tested and remaining samples will keep 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:11.04.2023-R10

TEST REPORT

AB-1110-T

H2400043334/
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Photo of the sample received



TEST REPORT

Photo of the sample received



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TEST REPORT

Sample ID	Part No.	Part ID	Explanatory Information
A-TOY-PENGUIN TOWER	Part 1	Plastic transparent coated multicolor cardboard box	
A-TOY-PENGUIN TOWER	Part 2	Plastic white circle	
A-TOY-PENGUIN TOWER	Part 3	Plastic multicolor printed white dice	
A-TOY-PENGUIN TOWER	Part 4	Plastic yellow penguin	
A-TOY-PENGUIN TOWER	Part 5	Plastic blue penguin	
A-TOY-PENGUIN TOWER	Part 6	Plastic purple penguin	
A-TOY-PENGUIN TOWER	Part 7	Plastic red penguin	
A-TOY-PENGUIN TOWER	Part 8	Plastic orange penguin	
A-TOY-PENGUIN TOWER	Part 9	Plastic green penguin	
A-TOY-PENGUIN TOWER	Part 10	TOY-PENGUIN TOWER	
A-TOY-PENGUIN TOWER	Part 11	Textile black printed white bag	
A-TOY-PENGUIN TOWER	Part 12	Textile white rope	

Summary of Results

Parts & Results															
Parts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
*PHTHALATES	P	P	P	P	P	P	P	P	P	X	X	X			
*DETERMINATION OF PAH's	P	P	P	P	P	P	P	P	P	X	X	X			
*SAFETY OF TOYS-PART 3: MIGRATION OF CERTAIN ELEMENTS -CATEGORY 3	P	P	P	P	P	P	P	P	P	X	P	P			
*SAFETY OF TOYS – PART 1: MECHANICAL AND PHYSICAL PROPERTIES	X	X	X	X	X	X	X	X	X	P	X	X			
*EN 71-2-SAFETY OF TOYS-PART 2: FLAMMABILITY	X	X	X	X	X	X	X	X	X	P	X	X			
*DETERMINATION OF AZO DYES	X	X	X	X	X	X	X	X	X	X	P	X			



TEST REPORT***SAFETY OF TOYS – PART 1: MECHANICAL AND PHYSICAL PROPERTIES**

A-[10] / EN 71-1:2014+A1:2018

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

Age Group Which Indicated / Inform at Label : +36 month

Laboratory Age Grading : +36 month

Tested Age Group : +36 month

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

Matter	Result
*4. GENERAL REQUIREMENTS	Pass
*4.1 Material Cleanliness	Pass
*4.4 Toy Bags	Pass
*4.7 Edges	Pass (a+c)
*4.8 Points And Metallic Wires	Pass (a+e)
*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**)- 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.

***EN 71-2:SAFETY OF TOYS-PART 2: FLAMMABILITY**

A-[10] / EN 71-2:2020

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

*NOTE: Extremely flammable liquids, high flammable liquids and flammable gases can not be tested.

Matter	Result
*4. RULES	Pass
*4.1 General Rules	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.

Washing Process ** : ☐ Applied ☒ Not applied** (Cleaning process apply to the product in necessary situations for appropriate clauses of EN 71-2 according to instructions that given on toy or if there is no instructions apply pursuant to indicate in standard.)

Type of Gas : Butane Gas (Gas which used in test burner)

Test results obtained from this process can't confirm as general indicator of potential flame hazard, toys or materials when subject to other ignition supplies

Condition Parameters: 65±5 %RH ; 20±5°C at least 7 hour

Test Atmosphere: 10°C - 30°C / 15-80 %RH



TEST REPORT
***PHTHALATES**

CPSC-CH-C1001.09:2018 [BAKANLIK]

Analyzed by: GC-MS

Controlled Compounds	CAS Number	Part 1+2+3	Part 4+5+6	Part 7+8+9	Reporting Limit (mg/kg)
*Di-iso-nonyl phthalate (DINP)	28553-12-0/68515-48-0	<60	<60	<60	60
*Di-n-octylphthalate (DNOP)	117-84-0	<60	<60	<60	60
*Di-(2-ethylhexyl)-phtalete (DEHP)	117-81-7	<60	<60	<60	60
*Di-isodecyl phtalate (DIDP)	26761-40-0/68515-49-1	<60	<60	<60	60
*Butylbenzyl phthalate (BBP)	85-68-7	<60	<60	<60	60
*Dibutyl phthalate (DBP)	84-74-2	<60	<60	<60	60
Result		Pass	Pass	Pass	

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

It is given by the EU Regulation 1907/2006 (REACH), Annex XVII Entry 51&52

***DETERMINATION OF AZO DYES**

ISO 14362-1:2017

NOTE: ***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.

Analyzed by: GC-MS

Controlled Compounds	CAS Number	Part 11	Limiting Value (mg/kg)	Reporting Limit (mg/kg)
*4-Aminodiphenyl	92-67-1	<5	<30	5
*Benzidine	92-87-5	<5	<30	5
*4-chloro-o-toluidine	95-69-2	<5	<30	5
*2-Naphthylamine	91-59-8	<5	<30	5
*o-amino-azotoluene	97-56-3	<5	<30	5
*2-amino-4-nitrotoluene	99-55-8	<5	<30	5
*p-chloroaniline	106-47-8	<5	<30	5
*2,4-diaminoanisole	615-05-4	<5	<30	5
*4,4'-diamino-diphenylmethane	101-77-9	<5	<30	5
*3,3'-Dichlorobenzidine	91-94-1	<5	<30	5
*3,3'-Dimethoxybenzidine	119-90-4	<5	<30	5
*4,4'-Methylen-bis-(2-chloraniline)	101-14-4	<5	<30	5
*4,4'-oxydianiline	101-80-4	<5	<30	5
*4,4'-thiodianiline	139-65-1	<5	<30	5
*o-toluidine	95-53-4	<5	<30	5
*2,4-toluylenediamine	95-80-7	<5	<30	5
*2,4,5-trimethylaniline	137-17-7	<5	<30	5
*o-anisidine	90-04-0	<5	<30	5
*p-cresidine	120-71-8	<5	<30	5
*3,3'-Dimethylbenzidine	119-93-7	<5	<30	5
*4-aminoazobenzene(4-aab)	60-09-3	<5	<30	5
*4,4'-methylenedi-o- toluidine	838-88-0	<5	<30	5
*2,4 Xylidine	95-68-1	<5	<30	5
*2,6 Xylidine	87-62-7	<5	<30	5
Result		Pass		

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



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

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

Analyzed by: ICP-MS

Controlled Compounds	CAS Number	Part 1	Part 11	Part 12	Part 2	Part 3	Part 4	Part 5	Part 6	Limiting Value (mg/kg)	Reporting Limit (mg/kg)
*Aluminium (Al)	7429-90-5	790	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	28130	0,125
*Antimony (Sb)	7440-36-0	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	560	0,125
*Arsenic (As)	7440-38-2	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	47	0,125
*Copper (Cu)	7440-50-8	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	7700	0,125
*Barium (Ba)	7440-39-3	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	18750	0,125
*Boron (B)	7440-42-8	30	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	15000	0,125
*Mercury (Hg)	7439-97-6	<0,0125	<0,0125	<0,0125	<0,0125	<0,0125	<0,0125	<0,0125	<0,0125	94	0,0125
*Zinc (Zn)	7440-66-6	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	46000	0,125
*Cadmium (Cd)	7440-43-9	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	17	0,125
*Tin (Sn)	7440-31-5	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	180000	0,125
*Cobalt (Co)	7440-48-4	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	130	0,125
*Chromium (Cr +3)	7440-47-3	<0,47	<0,47	<0,47	<0,47	<0,47	<0,47	<0,47	<0,47	460	0,47
*Chromium (Cr +6)	18540-29-9	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	0,053	0,001
*Lead (Pb)	7439-92-1	33	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	23	0,125
*Manganese (Mn)	7439-96-5	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	15000	0,125
*Nickel (Ni)	7440-02-0	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	930	0,125
*Selenium (Se)	7782-49-2	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	460	0,125
*Strontium (Sr)	7440-24-6	27	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	<0,125	56000	0,125
Organic Tin	-	<0,02	<0,02	<0,02	<0,02	<0,02	<0,02	<0,02	<0,02	12	0,02
Result		Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass		

Controlled Compounds	CAS Number	Part 7	Part 8	Part 9						Limiting Value (mg/kg)	Reporting Limit (mg/kg)
*Aluminium (Al)	7429-90-5	<0,125	<0,125	<0,125						28130	0,125
*Antimony (Sb)	7440-36-0	<0,125	<0,125	<0,125						560	0,125
*Arsenic (As)	7440-38-2	<0,125	<0,125	<0,125						47	0,125
*Copper (Cu)	7440-50-8	<0,125	<0,125	<0,125						7700	0,125
*Barium (Ba)	7440-39-3	<0,125	<0,125	<0,125						18750	0,125
*Boron (B)	7440-42-8	<0,125	<0,125	<0,125						15000	0,125
*Mercury (Hg)	7439-97-6	<0,0125	<0,0125	<0,0125						94	0,0125
*Zinc (Zn)	7440-66-6	<0,125	<0,125	<0,125						46000	0,125
*Cadmium (Cd)	7440-43-9	<0,125	<0,125	<0,125						17	0,125
*Tin (Sn)	7440-31-5	<0,125	<0,125	<0,125						180000	0,125
*Cobalt (Co)	7440-48-4	<0,125	<0,125	<0,125						130	0,125
*Chromium (Cr +3)	7440-47-3	<0,47	<0,47	<0,47						460	0,47
*Chromium (Cr +6)	18540-29-9	<0,001	<0,001	<0,001						0,053	0,001
*Lead (Pb)	7439-92-1	<0,125	<0,125	<0,125						23	0,125
*Manganese (Mn)	7439-96-5	<0,125	<0,125	<0,125						15000	0,125
*Nickel (Ni)	7440-02-0	<0,125	<0,125	<0,125						930	0,125
*Selenium (Se)	7782-49-2	<0,125	<0,125	<0,125						460	0,125
*Strontium (Sr)	7440-24-6	<0,125	<0,125	<0,125						56000	0,125
Organic Tin	-	<0,02	<0,02	<0,02						12	0,02
Result		Pass	Pass	Pass							

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



TEST REPORT***DETERMINATION OF PAH's**

AfPS GS:2019:01

Analyzed by: GC-MS

Controlled Compounds	CAS Number	Part 1+2+3	Part 4+5+6	Part 7+8+9	Limiting Value (mg/kg)	Reporting Limit (mg/kg)
*Benzo(e)pyrene	192-97-2	<0,1	<0,1	<0,1	1	0,1
*Benzo[j]fluoranthene	205-82-3	<0,1	<0,1	<0,1	1	0,1
*Benz[a]anthracene	56-55-3	<0,1	<0,1	<0,1	1	0,1
*Benzo[k]fluoranthene	207-08-9	<0,1	<0,1	<0,1	1	0,1
*Benzo[a]pyrene	50-32-8	<0,1	<0,1	<0,1	1	0,1
*Chrysene	218-01-9	<0,1	<0,1	<0,1	1	0,1
*Dibenz[a,h]anthracene	53-70-3	<0,1	<0,1	<0,1	1	0,1
*Benz[b]fluoranthene	205-99-2	<0,1	<0,1	<0,1	1	0,1
	Result	Pass	Pass	Pass		

Limit Value : 23.06.2017 dated 30105 and published in the Official Gazette dated 23.06.2017 and numbered 30105, was made within the framework of the Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals (KKDİK)

