

TURKAK  
TURKISH ACCREDITATION AGENCY



Test  
TS EN ISO/IEC 17025  
AB-1110-T

|            |
|------------|
| AB-1110-T  |
| 2100019165 |
| 09-21      |



AZOLAB LABORATUVAR HIZMETLERI A. Ş.  
TEST REPORT

**Overall Rating:**

**PASS**

Report Nr / Revision Nr : 2100019165  
Applicant : 2C OYUNCAK İMALAT SAN. VE TİC.LTD.ŞTİ.  
Applicant Address : ESEŖEHİR MAH. PALMİYE SK. NO:2-1  
ÜMRANİYE / İSTANBUL  
Contact Person : Adem ÖDEKBAŞ  
Contact e-mail : adem.odekbas@nano-lab.com.tr  
Sample Accepted on : 15.09.2021  
Test Resulted Date : 22/09/21  
Date Release Report : 22.09.2021  
Total number of pages : 8  
Sample ID : 2 TOY GRAPE  
Explanation : TOY GRAPE 0-3 AGE

**Decision Rule :**

**Stated by the customer "3-Declaration of conformity is requested without MU consideration".**

**Disclaimer Statement :**

-

**Note:**

These tests were applied at the request of the customer.

|   | TEST   | METHOD   | RESULT |
|---|--|--|--------|
| * | SAFETY OF TOYS-PART 2: FLAMMABILITY                  | EN 71-2:2020   | P      |
| * | PHthalates   | CPSC-CH-C1001.09:2018  | P      |
| * | SAFETY OF TOYS-PART 3: MIGRATION OF CERTAIN ELEMENTS | BS EN 71-3:2019+A1 2021  | P      |
| * | PHOSPHORUS FLAME RETARDANTS                          | In House Method ATAL-23-03 Rev00)                                      | P      |
| * | PAH TOYS   | AfPS GS:2014:01  | P      |
| * | VOC TEST   | INHOUSE METHOD   | P      |
| * | DETERMINATION OF BISPHENOL A                         | BS EN 71-11:2005 Madde 5.5.2   | P      |
| * | DETERMINATION OF FREE PHENOL                         | EN 71-9:2005+A1:2007 T:2D/ EN 71-10:2005 C:7&8.6/EN 71-11:2005 C:5.5.2 | P      |

Seal

Test Assignment and Reporting Specialist  
BÜŞRA YAYLI  
22.09.2021

Laboratory Manager  
ERAY ERTAŞ  
22.09.2021



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

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 TURKAK according to TS EN ISO/IEC 17025. Analysis as indicated with "\*\*\*" made external laboratory in the Scope of them Accreditation Certificate issued from TURKAK according to TS EN ISO/IEC 17025. Possible extra notes may add with starting N<sup>1</sup> to related pages. Tested and remaining samples will be 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:09.10.2020-R07

Adnan Kahveci Mah. Çankaya Cad. Simay İş Merkezi No: 5-B Kat:1 No:34 Beylikdüzü/İSTANBUL

Tel: 0212 855 85 06(07) Fax: 0212 909 14 30

Web: [www.azolab.com.tr](http://www.azolab.com.tr) E-mail: [info@azolab.com.tr](mailto:info@azolab.com.tr)

Sayfa 1 / 8

**Photo of the sample received**



| Sample ID       | Part No. | Part ID                 | Explanatory Information |
|-----------------|----------|-------------------------|-------------------------|
| A TOY GRAPE - - | Part 1   | Sponge purple grape toy |                         |

**Summary of Results**

| Parts & Results  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
|--|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| Parts  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| <b>PHthalates</b>  | P |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| <b>SAFETY OF TOYS-<br/>PART 3: MIGRATION<br/>OF CERTAIN ELEMEN</b> | P |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| <b>PHOSPHORUS FLAME<br/>RETARDANTS</b>                             | P |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| <b>PAH TOYS</b>  | P |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| <b>VOC TEST</b>  | P |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| <b>DETERMINATION OF<br/>BISPHENOL A</b>                            | P |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| <b>DETERMINATION OF<br/>FREE PHENOL</b>                            | P |   |   |   |   |   |   |   |   |    |    |    |    |    |    |

**PHTHALATES**

CPSC-CH-C1001.09:2018

| Tested Parts | Result ( ppm ) | Result ( % ) | Total Results (ppm) | Total Results (%) | Limit Value (ppm) | Limit Value (%) | Evaluation |
|--------------|----------------|--------------|---------------------|-------------------|-------------------|-----------------|------------|
| 1            | < 50           | <0.005       | < 50                | <0.005            | Total : 1000      | Total : 0.1     | PASS       |

Limit Value : It is given by the customer.  
 : Total Phthalates 0.1 %  
 Reporting Limit : 50 ppm (0.005 %)  
 < : Less than ppm (part per million) : mg/kg

**Forbidden Compounds :**

|                             |        |                                   |
|-----------------------------|--------|-----------------------------------|
| Di-iso-nonyl phthalate      | (DINP) | (CAS No : 28553-12-0 /68515-48-0) |
| Di-n-octyl phthalate        | (DNOP) | (CAS No : 117-84-0)               |
| Di-(2-ethylhexyl)-phthalate | (DEHP) | (CAS No : 117-81-7)               |
| Di-isodecyl phthalate       | (DIDP) | (CAS No : 26761-40-0/68515-49-1)  |
| Butylbenzyl phthalate       | (BBP)  | (CAS No : 85-68-7)                |
| Dibutylphthalate            | (DBP)  | (CAS No : 84-74-2)                |
| Bis-iso-butyl phthalate     | (DIBP) | (CAS No :84-69-5)                 |
| Di-n-pentyl phthalate       | (DNPP) | (CAS No :131-18-0)                |
| Di-n-hexyl phthalate        | (DnHP) | (CAS No :84-75-3)                 |
| Dicyclohexyl phthalate      | (DCHP) | (CAS No :84-61-7)                 |

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

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

BS EN 71-3:2019+A1 2021

| Tested Parts | Result ( ppm ) | Limit Value (ppm) | Evaluation |
|--------------|----------------|-------------------|------------|
| 1            | < 0.125        | Its Given Below   | PASS       |

Limit Value : It is given by Safety of toys Part 3: Migration of certain elements- Metals, Category 3.  
 Reporting Limit : Mercury (Hg) 0,0125 ppm ; Others 0,125ppm  
 < : Less than  
 ppm (part per million) : mg/kg

**Controlled Components 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  |
| Cromium (Cr +3) | (CAS No :7440-47-3) | 460 ppm   | Cromium (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)   | 70000 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.

The results have been determined by the device of ICP-MS

**PHOSPHORUS FLAME RETARDANTS**

In House Method ATAL-23-03 Rev00)

| Tested Parts | Result ( ppm ) | Limit Value (ppm) | Evaluation |
|--------------|----------------|-------------------|------------|
| 1            | < 0.05         | 50                | PASS       |

Limit Value : It is given by the KKDIK 50 ppm

Reporting Limit : 0.05 ppm

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

Controlled Components:

TCEP - Tris(2-carboxyethyl)phosphine ( Cas No 51805-45-9 )  
TDCPP - Tris 2-chloro-1-(chloromethyl)ethyl phosphate ( Cas No 13674-87-8 )  
TCPP - Tris (1-chloro-2-propyl) phosphate ( Cas No 115-96-8 )

The results have been determined by the device of Liquid Chromatography-Mass / Mass Spectroscopy (LC-MS-MS)

**PAH TOYS**

AfPS GS:2014:01

| Tested Parts | Result ( ppm ) | Limit Value (ppm) | Evaluation |
|--------------|----------------|-------------------|------------|
| 1            | < 0.05         | Its Given Below   | PASS       |

Limit Value : It is given by the KKDIK.

For any for one: 0.2 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)

**VOC TEST**

## INHOUSE METHOD

| Tested Parts | Result ( ppm ) | Limit Value (ppm) | Evaluation |
|--------------|----------------|-------------------|------------|
| 1            | < 0.5          | 5                 | PASS       |

Limit Value : It is given by the KKDIK. : 5 mg/kg

Reporting Limit : 0.5 ppm

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

Controlled Components:

Benzene (CAS No : 71-43-2)

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

**DETERMINATION OF BISPHENOL A**

## BS EN 71-11:2005 Madde 5.5.2

| Tested Parts | Result ( ppm ) | Limit Value (ppm) | Evaluation |
|--------------|----------------|-------------------|------------|
| 1            | < 0.01         | 0.1               | PASS       |

Limit Value : It is given by the KKDIK.  
:Total BISPHENOL A 0.1 mg/kg

Reporting Limit : 0.01 ppm  
< : Less than  
ppm (part per million) : mg/kg

Controlled Components:

BISPHENOL A (CAS No : 80-05-7)

The results have been determined by the device of Liquid Chromatography - Mass Spectroscopy (LC-MS/MS).

**DETERMINATION OF FREE PHENOL**

EN 71-9:2005+A1:2007 T:2D/ EN 71-10:2005 C:7&amp;8.6/EN 71-11:2005 C:5.5.2

| Tested Parts | Result ( ppm ) | Limit Value (ppm) | Evaluation |
|--------------|----------------|-------------------|------------|
| 1            | < 0.5          | 5                 | PASS       |

Limit Value : It is given by the KKDIK.  
:Total FREE PHENOL 0.1 mg/kg  
Reporting Limit : 0.5 ppm  
< : Less than  
ppm (part per million) : mg/kg

Controlled Components:  
BISPHENOL A (CAS No : 108-95-2)

The results have been determined by the device of Liquid Chromatography - Mass Spectroscopy (HPLC-MS).

**Specimen Description : TOY GRAPE / Sponge purple grape toy**  
**SAFETY OF TOYS-PART 2: FLAMMABILITY**  
**EN 71-2 + A1 : 2014**

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.