

Report Code AR-23-FZ-021758-01



Project No EFFZ23111028-CG-01

AB-1356-T

AR-23-FZ-021758-01

11-23

TEST REPORT

Applicant : Teknos Oy
Contact Person : Pirita Rämänen
Address : PL 107, Takkatie 3, HELSINKI, FINLAND, 00371
Sample Not Drawn by Eurofins Tüketici Ürünleri Test Hizmetleri A.Ş.
Sample Receiving Date : 16/Nov/2023
Resubmit Date : -
Testing Period : 16/Nov/2023 to 21/Nov/2023
Service Type : Regular
Result Summary : **PASS**

Sample No. : 339-2311-01205
Sample Name : White Plastic
Component No : A
Buyer Name : Teknos Oy
Article No. : Teknocoat Aqua 2575-32-Base 2
Supplier Name : Teknos Oy
Country of Origin : Finland

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The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.

Report Code AR-23-FZ-021758-01**Project No** EFFZ23111028-CG-01**Eurofins Tüketici Ürünleri Test Hizmetleri Türkiye Contact Information**

Customer Service Representative:

Hatice Yaman

HaticeYaman@eurofins.com**Signed for and on behalf of Eurofins Tüketici Ürünleri Test Hizmetleri A.Ş.****EUROFINS TÜKETİCİ ÜRÜNLERİ TEST HİZMETLERİ A.Ş.**
Mahmutbey Mah. 2538. Sok. No:6/11 Bağcılar / İSTANBUL
Güneşli V.D: 383 045 1128**Büşranur Kurak**
Customer Representative**Hatice Öztürk YAMAN**
Customer service Team Leader

The following test(s) was (were) performed on submitted sample(s) and/or component(s) confirmed by applicant. Tests marked ♦ in this report are not included in the scope of accreditation. Tests marked o in this report are subcontracted within Eurofins Group and is accredited. Tests marked ● in this report are subcontracted within Eurofins Group and is not accredited. Tests marked □ in this report are subcontracted outside Eurofins Group and is accredited. Tests marked ■ in this report are subcontracted outside Eurofins Group and is not accredited. Unless otherwise requested, this laboratory applies shared risk decision rule. Unless otherwise specified, the uncertainty of measurement has not been taken into account when assessing pass/fail of the sample against the requirements of the standard. The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95 %. The uncertainty evaluation has been carried out in accordance with ISO/IEC 17025 requirements. The uncertainty originating from the sample have not been included to the uncertainty measurement and the sample is tested in the laboratory as received. Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins Consumer Product Testing Turkey ensures that this job has been performed according to our Quality System and complying contract and legal conditions. Test uncertainties not reported are at customer disposal. If you happen to have any comments, please do it by sending email to CPT.Turkey@eurofins.com and referring to this report number.

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Conclusion:

| Test Property | Sample/Component | Pass | Fail | Remarks |
|--|------------------|------|------|---------|
| Safety of Toys Part 3: Migration of Certain Elements | A | X | - | |

* Result conformity assessment was made according to Directive 2009/48/EC

Remark:

ND : Not Detected
P : Meets buyer's requirement
F : Does not meet buyer' s requirement
NR : No requirement
SC : Still continues
LS : Lack of sample
I : Inconclusive
NA : Not Applicable

Component List

| Component ID. | Component | Material | Color | Remark |
|---------------|---------------|----------|-------|--------|
| A | White Plastic | Plastic | White | |

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Safety of Toys Part 3: Migration of Certain Elements

EN 71-3:2019+A1:2021

Analysis by ICP-MS

| Test Item(s): | Unit | LOQ | Result |
|------------------------|-------|-------|----------|
| Category Type | | | A |
| Aluminium (Al) | mg/kg | 50 | 345.2 |
| Antimony (Sb) | mg/kg | 1 | ND |
| Arsenic (As) | mg/kg | 0.1 | ND |
| Barium (Ba) | mg/kg | 10 | ND |
| Boron (B) | mg/kg | 10 | ND |
| Cadmium (Cd) | mg/kg | 0.05 | ND |
| Total chromium (as Cr) | mg/kg | 0.005 | ND |
| Chromium (Cr) (III) | mg/kg | 0.005 | ND |
| Chromium (Cr) (VI) | mg/kg | 0.005 | ND |
| Cobalt (Co) | mg/kg | 0.2 | ND |
| Copper (Cu) | mg/kg | 10 | ND |
| Lead (Pb) | mg/kg | 0.2 | ND |
| Manganese (Mn) | mg/kg | 10 | ND |
| Mercury (Hg) | mg/kg | 0.2 | ND |
| Nickel (Ni) | mg/kg | 2 | ND |
| Selenium (Se) | mg/kg | 1 | ND |
| Strontium (Sr) | mg/kg | 0.2 | ND |
| Tin (Sn) | mg/kg | 0.2 | ND |
| Organotin sum (o-Sn) | mg/kg | 0.2 | ND |
| Zinc (Zn) | mg/kg | 50 | ND |

Note:

1 – If the migration of total Chromium is below the maximum limit for Chromium (VI), it can be inferred that the material complies with the requirements for both Chromium (III) and Chromium (VI).

2 – In particular Chromium (III) is calculated by subtracting the Chromium (VI) concentration from the total Chromium concentration.

3 – The migration of organic tin is expressed as tributyltin.

Safety of Toys Part 3: Migration of Certain Elements (Quantification by ICP-MS)

Remarks: Measurement Uncertainty: $\pm 19\%$

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Limits –MDL per category type:

| Test Item(s): | Unit | Requirement | MDL |
|------------------------|-------|--------------|-------|
| | | Category III | |
| Aluminium (Al) | mg/kg | ≤ 28130 | 50 |
| Antimony (Sb) | mg/kg | ≤ 560 | 10 |
| Arsenic (As) | mg/kg | ≤ 47 | 5 |
| Barium (Ba) | mg/kg | ≤ 18750 | 50 |
| Boron (B) | mg/kg | ≤ 15000 | 50 |
| Cadmium (Cd) | mg/kg | ≤ 17 | 1 |
| Chromium (Cr) #1 | mg/kg | ≤ - | 0.005 |
| Chromium (Cr) (III) #2 | mg/kg | ≤ 460 | 0.005 |
| Chromium (Cr) (VI) | mg/kg | ≤ 0.053 | 0.005 |
| Cobalt (Co) | mg/kg | ≤ 130 | 10 |
| Copper (Cu) | mg/kg | ≤ 7700 | 50 |
| Lead (Pb) | mg/kg | ≤ 23 | 10 |
| Manganese (Mn) | mg/kg | ≤ 15000 | 50 |
| Nickel (Ni) | mg/kg | ≤ 930 | 10 |
| Selenium (Se) | mg/kg | ≤ 460 | 10 |
| Mercury (Hg) | mg/kg | ≤ 94 | 10 |
| Strontium (Sr) | mg/kg | ≤ 56000 | 50 |
| Tin (Sn) | mg/kg | ≤ 180000 | 0.2 |
| Organic Tin #3 | mg/kg | ≤ 12 | 0.2 |
| Zinc (Zn) | mg/kg | ≤ 46000 | 50 |

Category I: dry, brittle, powder-like or pliable toy material

Category II: liquid or sticky toy material

Category III: scrapped-off toy material

“-” = Not Regulated

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| Toy Material | Category 1 | Category 2 | Category 3 |
|---|------------|------------|------------|
| Coatings of paints, varnishes, lacquers, printing inks, polymers, foams and similar coatings | | | X |
| Polymeric and similar materials, including laminates, whether textile reinforced or not, but excluding other textiles | | | X |
| Paper and paper board | | | X |
| Textiles, whether natural or synthetic | | | X |
| Glass, ceramic, metallic materials | | | X |
| Wood, fibre board, hard board, bone, leather and other Solid materials | | | X |
| Compressed paint tablets, materials intended to leave a trace or similar materials in solid form appearing as such in the toy (e.g. the cores of colouring pencils, chalk, crayons) | X | | |
| Pliable modelling materials, including modelling clays and plaster | X | | |
| Liquid paints, including finger paints, varnishes, lacquers, liquid ink in pens and similar materials in liquid form appearing as such in the toy (e.g. slimes, bubble solution) | | X | |
| Glue sticks | | X | |

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Sample Photo



*** END OF THE REPORT ***