



## TEST REPORT

Client: Certification Experts B.V  
Nieuwstad 100  
1381 CE  
Weesp  
Netherlands

FAO: Soufyan Lamdini



Sample: **FILTERS**

Laboratory No: S1702988/PW Date received: 12/12/2017

Reference No: --- Order No: ---

Sales order: 12096265

Description: Filters – balls/red and gold/black

Tests conducted: EN 71 Part 3:2013 + A2:2017 Migration of certain elements

Conclusion: The sample **complied** with the requirements of the above test.

**Tracy Howell**  
Client Services Manager

Tests marked “Not UKAS Accredited” in this report are not included in the UKAS Accreditation Schedule for this laboratory

3rd January 2018



Sample: **FILTERS**  
Laboratory No: S1702988/PW

## REPORT DETAILS

### EUROPEAN TOY SAFETY STANDARD

Section numbers below correspond to clauses of the above mentioned standard. Clauses not mentioned are not applicable to the sample.

The date of testing should be taken as between the date of the initial receipt of the sample and the date of the issue of the report unless otherwise specified.

#### **EN71-3:2013 + A2:2017 – MIGRATION OF CERTAIN ELEMENTS**

EN71 Part 3, as amended, specifies requirements and test methods for the migration of the elements antimony, arsenic, barium, cadmium, chromium\*, lead, mercury, selenium, aluminium, boron, chromium (III), cobalt, copper, manganese, nickel, strontium, tin\*\*, and zinc. The sample has been tested with the following results.

**Category 3 - Scraped-off material..... See results**

\*The analysis performed cannot differentiate between Chromium III and Chromium VI.

If the level of Chromium detected is below the limit for Chromium III then it can be inferred that the material complies with the Chromium III limit.

If the level of Chromium detected is below the limit for Chromium VI then it can be inferred that the material complies with the Chromium VI limit.

\*\*If total extractable Sn, when  $U_{exp}$  is taken into account

is  $< 0.23$  mg/kg for Cat I.

is  $< 0.05$  mg/kg for Cat II.

is  $< 3$  mg/kg for Cat III.

then it may be inferred that the sample meets the migration limits of EN 71-3:2013 + A1:2014 for the appropriate Category for both Inorganic and Organic Tin

( $U_{exp}$  Uncertainty of measurement)



Sample: **FILTERS**  
Laboratory No: S1702988/PW

### EN71-3:2013 + A2:2017 MIGRATION OF CERTAIN ELEMENTS

Date of test: 13/12/2017

Method of Analysis: ICP.

**Category: 3. Scraped-off material**

Element	Limit mg/kg	A	B	C	D
Cadmium, Cd	17	<0.2	<0.2	<0.2	<0.2
Chromium, Cr*		1.78	<0.15	<0.15	<0.15
Chromium III, Cr*	460	NT	NT	NT	NT
Chromium VI, Cr*	0.2	<0.2***	NT	NT	NT
Tin, Sn**	180000	0.05	4.12	0.04	<0.15
Organic tin	12	NT	<2	NT	NT
Arsenic, As	47	<0.5	<0.5	<0.5	<0.5
Selenium, Se	460	<1	<1	<1	<1
Cobalt, Co	130	<1	<1	<1	<1
Nickel, Ni	930	<1	<1	<1	<1
Antimony, Sb	560	<3	<3	<3	<3
Barium, Ba	18750	<10	<10	<10	<10
Manganese, Mn	15000	<10	<10	<10	<10
Copper, Cu	7700	<10	<10	11.22	<10
Strontium, Sr	56000	<10	<10	<10	<10
Zinc, Zn	46000	<10	<10	<10	<10
Boron, B	15000	<10	<10	<10	<10
Aluminium, Al	70000	165.43	<10	<10	<10
Mercury, Hg	94	<1	<1	<1	<1
Lead, Pb	160	<1	<1	<1	<1

Mass tested in grams (if <100mg)

All results are expressed as mg/kg soluble element.

NT = Not tested

\*= see note above

\* & \*\* = see note above

\*\*\*Chromium VI tested using UV VIS In-house method. <sup>Not UKAS Accredited.</sup>

Key:

A = Balls

C = Gold plastic

B = Red plastic

D = Black plastic

Refer to Istituto Italiano Sicurezza Dei Giocattoli SRL Test Report 17.60994a dated 2<sup>nd</sup> January 2018 for Organic Tin.

\*\*\*END OF REPORT\*\*\*