

DONGGUAN SAIENCHUANGKE TECHNOLOGY CO.,LTD.
NO.33, JIANSHE ROAD,XIABIAN,HOUIE TOWN,DONGGUAN CITY,GUANGDONG PROVINCE

Sample Description : MAGNETIC REUSABLE WATER BALLOON
Item No. : SOPPYCID-001, SOPPYCID-002, SOPPYCID-003, SOPPYCID-004,
SOPPYCID-005, SOPPYCID-006
Manufacturer : DONGGUAN SAIENCHUANGKE TECHNOLOGY CO.,LTD.
Country of Origin : CHINA

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

Sample Receiving Date : Sep 22, 2022
Test Performing Date : Sep 22, 2022 to Oct 14, 2022
Test Performed : Selected test(s) as requested by applicant
Test Result(s) : For further details, please refer to the following page(s)

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch



Arthur Mak
Authorized Signatory



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I . SGS Ref No.: CAN22-205144

Test Requested	Result
EN 71-3:2019+A1:2021 - Migration of Certain Elements	PASS
AS/NZS ISO 8124.3:2021 - Migration of Certain Elements	PASS
Entry 23 of Commission Regulation (EU) 2016/217 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Cadmium and its compounds	PASS
European Council Directive 94/62/EC - Article 11 that effective June 2001 and its amendment - Total Lead, Cadmium, Mercury and Hexavalent Chromium Content	PASS
Entry 51 & 52 of Commission Regulation (EU) 2018/2005 & Commission Regulation (EU) 2015/326 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Phthalates	PASS
Entry 20 of Commission Regulation (EU) No 276/2010 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Organotin compounds	PASS
Entry 50 of Regulation (EU) 2021/1199 amending Annex XVII of REACH Regulation (EC) No 1907/2006- Polycyclic Aromatic Hydrocarbons (PAHs)	PASS
AfPS GS 2019:01 PAK - Polycyclic Aromatic Hydrocarbons (PAHs)	PASS
European Regulation POPs (EU) 2019/1021 - Alkanes C ₁₀ ~C ₁₃ , chloro (short chain-chlorinated paraffins) (SCCPs)	PASS

Test Result(s) :

Test Part Description :

SGS Sample ID	Description
CAN22-205144.001	Translucent soft plastic(main body, white style)
CAN22-205144.002	White soft plastic(seal ring, white style)
CAN22-205144.003	Red translucent soft plastic(main body, red style)
CAN22-205144.004	Red soft plastic(seal ring, red style)
CAN22-205144.005	Orange translucent soft plastic(main body, orange style)
CAN22-205144.006	Fuchsia soft plastic(seal ring, orange style)
CAN22-205144.007	Green translucent soft plastic(main body, green style)
CAN22-205144.008	Light yellow soft plastic(seal ring, green style)
CAN22-205144.009	Blue translucent soft plastic(main body, blue style)
CAN22-205144.010	Light blue soft plastic(seal ring, blue style)
CAN22-205144.011	Yellow translucent soft plastic(main body, yellow style)
CAN22-205144.012	Watermelon red soft plastic(seal ring, yellow style)
CAN22-205144.013	Transparent plastic with multicolor printing(bag)
CAN22-205144.014	Translucent soft plastic(main body, white style) + White soft plastic(seal ring, white style) + Red translucent soft plastic(main body, red style)
CAN22-205144.015	Red soft plastic(seal ring, red style) + Orange translucent soft



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	plastic(main body, orange style) + Fuchsia soft plastic(seal ring, orange style)
CAN22-205144.016	Green translucent soft plastic(main body, green style) + Light yellow soft plastic(seal ring, green style) + Blue translucent soft plastic(main body, blue style)
CAN22-205144.017	Light blue soft plastic(seal ring, blue style) + Yellow translucent soft plastic(main body, yellow style) + Watermelon red soft plastic(seal ring, yellow style)
CAN22-205144.018	Translucent soft plastic(main body, white style) + White soft plastic(seal ring, white style)
CAN22-205144.019	Red translucent soft plastic(main body, red style) + Red soft plastic(seal ring, red style)
CAN22-205144.020	Orange translucent soft plastic(main body, orange style) + Fuchsia soft plastic(seal ring, orange style)
CAN22-205144.021	Green translucent soft plastic(main body, green style) + Light yellow soft plastic(seal ring, green style)
CAN22-205144.022	Blue translucent soft plastic(main body, blue style) + Light blue soft plastic(seal ring, blue style)
CAN22-205144.023	Yellow translucent soft plastic(main body, yellow style) + Watermelon red soft plastic(seal ring, yellow style)

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

EN 71-3:2019+A1:2021 - Migration of Certain Elements (Category III: Scrapped-off toy material)

Test Method : With reference to EN 71-3:2019+A1:2021, analysis was performed by ICP-OES. Chromium (VI) was analyzed by IC-UV/LC-ICP-MS.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>	<u>002</u>	<u>003</u>
Soluble Aluminum (Al)	28130	mg/kg	50	ND	ND	ND
Soluble Arsenic (As)	47	mg/kg	10	ND	ND	ND
Soluble Boron (B)	15000	mg/kg	50	ND	ND	ND
Soluble Barium (Ba)	18750	mg/kg	50	ND	ND	ND
Soluble Cadmium (Cd)	17	mg/kg	5	ND	ND	ND
Soluble Cobalt (Co)	130	mg/kg	10	ND	ND	ND
Soluble Chromium (III) (Cr III)	460	mg/kg	5	ND	ND	ND



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Soluble Copper (Cu)	7700	mg/kg	50	ND	ND	ND
Soluble Mercury (Hg)	94	mg/kg	10	ND	ND	ND
Soluble Manganese (Mn)	15000	mg/kg	50	ND	ND	ND
Soluble Nickel (Ni)	930	mg/kg	10	ND	ND	ND
Soluble Lead (Pb)	23	mg/kg	10	ND	ND	ND
Soluble Antimony (Sb)	560	mg/kg	10	ND	ND	ND
Soluble Selenium (Se)	460	mg/kg	10	ND	ND	ND
Soluble Zinc (Zn)	46000	mg/kg	50	ND	ND	ND
Soluble Strontium (Sr)	56000	mg/kg	50	ND	ND	ND
Soluble Tin (Sn)	180000	mg/kg	4.9	ND	ND	ND
Soluble Organic Tin	12	mg/kg	-	ND	ND	ND
Soluble Chromium (VI) (Cr VI)	0.053	mg/kg	0.020	ND	ND	ND
Comment				PASS	PASS	PASS

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>004</u>	<u>005</u>	<u>006</u>
Soluble Aluminum (Al)	28130	mg/kg	50	ND	ND	ND
Soluble Arsenic (As)	47	mg/kg	10	ND	ND	ND
Soluble Boron (B)	15000	mg/kg	50	ND	ND	ND
Soluble Barium (Ba)	18750	mg/kg	50	ND	ND	ND
Soluble Cadmium (Cd)	17	mg/kg	5	ND	ND	ND
Soluble Cobalt (Co)	130	mg/kg	10	ND	ND	ND
Soluble Chromium (III) (Cr III)	460	mg/kg	5	ND	ND	ND
Soluble Copper (Cu)	7700	mg/kg	50	ND	ND	ND
Soluble Mercury (Hg)	94	mg/kg	10	ND	ND	ND
Soluble Manganese (Mn)	15000	mg/kg	50	ND	ND	ND
Soluble Nickel (Ni)	930	mg/kg	10	ND	ND	ND
Soluble Lead (Pb)	23	mg/kg	10	ND	ND	ND
Soluble Antimony (Sb)	560	mg/kg	10	ND	ND	ND
Soluble Selenium (Se)	460	mg/kg	10	ND	ND	ND
Soluble Zinc (Zn)	46000	mg/kg	50	ND	ND	ND
Soluble Strontium (Sr)	56000	mg/kg	50	ND	ND	ND
Soluble Tin (Sn)	180000	mg/kg	4.9	ND	ND	ND
Soluble Organic Tin	12	mg/kg	-	ND	ND	ND
Soluble Chromium (VI) (Cr VI)	0.053	mg/kg	0.020	ND	ND	ND
Comment				PASS	PASS	PASS

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>007</u>	<u>008</u>	<u>009</u>
Soluble Aluminum (Al)	28130	mg/kg	50	ND	ND	ND
Soluble Arsenic (As)	47	mg/kg	10	ND	ND	ND
Soluble Boron (B)	15000	mg/kg	50	ND	ND	ND



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Soluble Barium (Ba)	18750	mg/kg	50	ND	ND	ND
Soluble Cadmium (Cd)	17	mg/kg	5	ND	ND	ND
Soluble Cobalt (Co)	130	mg/kg	10	ND	ND	ND
Soluble Chromium (III) (Cr III)	460	mg/kg	5	ND	ND	ND
Soluble Copper (Cu)	7700	mg/kg	50	ND	ND	ND
Soluble Mercury (Hg)	94	mg/kg	10	ND	ND	ND
Soluble Manganese (Mn)	15000	mg/kg	50	ND	ND	ND
Soluble Nickel (Ni)	930	mg/kg	10	ND	ND	ND
Soluble Lead (Pb)	23	mg/kg	10	ND	ND	ND
Soluble Antimony (Sb)	560	mg/kg	10	ND	ND	ND
Soluble Selenium (Se)	460	mg/kg	10	ND	ND	ND
Soluble Zinc (Zn)	46000	mg/kg	50	ND	ND	ND
Soluble Strontium (Sr)	56000	mg/kg	50	ND	ND	ND
Soluble Tin (Sn)	180000	mg/kg	4.9	ND	ND	ND
Soluble Organic Tin	12	mg/kg	-	ND	ND	ND
Soluble Chromium (VI) (Cr VI)	0.053	mg/kg	0.020	ND	ND	ND

Comment **PASS** **PASS** **PASS**

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>010</u>	<u>011</u>	<u>012</u>
Soluble Aluminum (Al)	28130	mg/kg	50	ND	ND	ND
Soluble Arsenic (As)	47	mg/kg	10	ND	ND	ND
Soluble Boron (B)	15000	mg/kg	50	ND	ND	ND
Soluble Barium (Ba)	18750	mg/kg	50	ND	ND	ND
Soluble Cadmium (Cd)	17	mg/kg	5	ND	ND	ND
Soluble Cobalt (Co)	130	mg/kg	10	ND	ND	ND
Soluble Chromium (III) (Cr III)	460	mg/kg	5	ND	ND	ND
Soluble Copper (Cu)	7700	mg/kg	50	ND	ND	ND
Soluble Mercury (Hg)	94	mg/kg	10	ND	ND	ND
Soluble Manganese (Mn)	15000	mg/kg	50	ND	ND	ND
Soluble Nickel (Ni)	930	mg/kg	10	ND	ND	ND
Soluble Lead (Pb)	23	mg/kg	10	ND	ND	ND
Soluble Antimony (Sb)	560	mg/kg	10	ND	ND	ND
Soluble Selenium (Se)	460	mg/kg	10	ND	ND	ND
Soluble Zinc (Zn)	46000	mg/kg	50	ND	ND	ND
Soluble Strontium (Sr)	56000	mg/kg	50	ND	ND	ND
Soluble Tin (Sn)	180000	mg/kg	4.9	ND	ND	ND
Soluble Organic Tin	12	mg/kg	-	ND	ND	ND
Soluble Chromium (VI) (Cr VI)	0.053	mg/kg	0.020	ND	ND	ND

Comment **PASS** **PASS** **PASS**



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Notes :

1. According to Chapter of 10.1.2 of EN 71-3:2019+A1:2021, Chromium (III) is calculated by the following formula: Soluble Chromium (III)= Soluble Total Chromium- Soluble Chromium (VI)
2. Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN 71-3:2019+A1:2021.

AS/NZS ISO 8124.3:2021 - Migration of Certain Elements

Test Method : With reference to EN 71-3:2019+A1:2021, analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit	MDL	001	002	003
Soluble Arsenic (As)	25	mg/kg	10	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	50	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	10	ND	ND	ND
Soluble Lead (Pb)	90	mg/kg	10	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	10	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND
Comment				PASS	PASS	PASS

Test Item(s)	Limit	Unit	MDL	004	005	006
Soluble Arsenic (As)	25	mg/kg	10	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	50	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	10	ND	ND	ND
Soluble Lead (Pb)	90	mg/kg	10	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	10	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND
Comment				PASS	PASS	PASS

Test Item(s)	Limit	Unit	MDL	007	008	009
Soluble Arsenic (As)	25	mg/kg	10	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	50	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	10	ND	ND	ND
Soluble Lead (Pb)	90	mg/kg	10	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	10	ND	ND	ND



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Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND
Comment				PASS	PASS	PASS

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>010</u>	<u>011</u>	<u>012</u>
Soluble Arsenic (As)	25	mg/kg	10	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	50	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	10	ND	ND	ND
Soluble Lead (Pb)	90	mg/kg	10	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	10	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND
Comment				PASS	PASS	PASS

Note:

(1) Results shown are of the adjusted analytical results.

Entry 23 of Commission Regulation (EU) 2016/217 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Cadmium and its compounds

Test Method : With reference to CPSC-CH-E1002-08.3. Analysis was performed by ICP-OES.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>014</u>	<u>015</u>	<u>016</u>
Cadmium (Cd)	100	mg/kg	5	ND	ND	ND

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>017</u>
Cadmium (Cd)	100	mg/kg	5	ND

Notes:

(1) Composite test has been performed and the result(s) is/are calculated using the minimum sample weight.

European Directive 94/62/EC and its amendments - Total Lead, Cadmium, Mercury and Hexavalent Chromium Content

Test Method : With reference to GZTC CHEM-TOP-174-01. Analysis of Cadmium, Lead and Mercury was performed by ICP-OES. Analysis of Hexavalent Chromium (Cr(VI)) was performed by UV-Vis



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<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>013</u>
Cadmium (Cd)	-	mg/kg	5	ND
Lead (Pb)	-	mg/kg	5	ND
Hexavalent Chromium (CrVI)	-	mg/kg	8	ND
Mercury (Hg)	-	mg/kg	5	ND
Total (Pb + Cd + Cr VI + Hg)	100	mg/kg	-	ND

Entry 51 & 52 of Commission Regulation (EU) 2018/2005 & Commission Regulation (EU) 2015/326 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Phthalates

Test Method : With reference to CPSC-CH-C1001-09.4, analysis was performed by GC-MS.

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>014</u>
Dibutyl Phthalate (DBP)	84-74-2	0.1	%(w/w)	0.005	ND
Benzylbutyl Phthalate (BBP)	85-68-7	0.1	%(w/w)	0.005	ND
Di(2-ethylhexyl)phthalate(DEHP)	117-81-7	0.1	%(w/w)	0.005	ND
Diisobutyl Phthalate (DIBP)	84-69-5	0.1	%(w/w)	0.005	ND
Total (DBP+BBP+DEHP+DIBP)		0.1	%(w/w)	-	ND
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	-	%(w/w)	0.005	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	-	%(w/w)	0.005	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 / 68515-49-1	-	%(w/w)	0.005	ND
Total (DIDP+DINP+DNOP)		0.1	%(w/w)	-	ND

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>015</u>
Dibutyl Phthalate (DBP)	84-74-2	0.1	%(w/w)	0.005	ND
Benzylbutyl Phthalate (BBP)	85-68-7	0.1	%(w/w)	0.005	ND
Di(2-ethylhexyl)phthalate(DEHP)	117-81-7	0.1	%(w/w)	0.005	ND
Diisobutyl Phthalate (DIBP)	84-69-5	0.1	%(w/w)	0.005	ND
Total (DBP+BBP+DEHP+DIBP)		0.1	%(w/w)	-	ND
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	-	%(w/w)	0.005	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	-	%(w/w)	0.005	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 / 68515-49-1	-	%(w/w)	0.005	ND
Total (DIDP+DINP+DNOP)		0.1	%(w/w)	-	ND

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>016</u>
Dibutyl Phthalate (DBP)	84-74-2	0.1	%(w/w)	0.005	ND
Benzylbutyl Phthalate (BBP)	85-68-7	0.1	%(w/w)	0.005	ND



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Di(2-ethylhexyl)phthalate(DEHP)	117-81-7	0.1	%(w/w)	0.005	ND
Diisobutyl Phthalate (DIBP)	84-69-5	0.1	%(w/w)	0.005	ND
Total (DBP+BBP+DEHP+DIBP)		0.1	%(w/w)	-	ND
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	-	%(w/w)	0.005	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	-	%(w/w)	0.005	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 / 68515-49-1	-	%(w/w)	0.005	ND
Total (DIDP+DINP+DNOP)		0.1	%(w/w)	-	ND

Test Item(s)	CAS NO.	Limit	Unit	MDL	017
Dibutyl Phthalate (DBP)	84-74-2	0.1	%(w/w)	0.005	ND
Benzylbutyl Phthalate (BBP)	85-68-7	0.1	%(w/w)	0.005	ND
Di(2-ethylhexyl)phthalate(DEHP)	117-81-7	0.1	%(w/w)	0.005	ND
Diisobutyl Phthalate (DIBP)	84-69-5	0.1	%(w/w)	0.005	ND
Total (DBP+BBP+DEHP+DIBP)		0.1	%(w/w)	-	ND
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	-	%(w/w)	0.005	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	-	%(w/w)	0.005	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 / 68515-49-1	-	%(w/w)	0.005	ND
Total (DIDP+DINP+DNOP)		0.1	%(w/w)	-	ND

Notes:

- (1) DBP, BBP, DEHP, DIBP Reference information: Entry 51 of Regulation (EU) 2018/2005 amending Annex XVII of REACH Regulation (EC) No 1907/2006:
 - i) Shall not be used as substances or in mixtures, individually or in any combination of DBP, BBP, DEHP & DIBP, in concentrations equal to or greater than 0.1 % by weight of the plasticised material, in toys and childcare articles.
 - ii) Shall not be placed on the market in toys or childcare articles, individually or in any combination of DBP, BBP, DEHP, in concentrations equal to or greater than 0.1 % by weight of the plasticised material. In addition, DIBP shall not be placed on the market after 7 July 2020 in toys or childcare articles, individually or in any combination of DBP, BBP, DEHP & DIBP, in concentrations equal to or greater than 0.1 % by weight of the plasticised material.
 - iii) shall not be placed on the market after 7 July 2020 in articles, individually or in any combination of DBP, BBP, DEHP & DIBP, in concentrations equal to or greater than 0.1 % by weight of the plasticised material in the articles.
Please refer to Regulation (EU) 2018/2005 to get more detail information
- (2) DINP, DNOP, DIDP Reference information: Entry 52 of Regulation (EU) 2015/326 amending Annex XVII of REACH Regulation (EC) No 1907/2006.
 - i) Shall not be used as substances or in mixtures, in concentrations greater than 0.1 % by weight of the plasticised material, in toys and childcare articles which can be placed in the mouth by children.
 - ii) Such toys and childcare articles containing these phthalates in a concentration greater than 0.1 % by weight of the plasticised material shall not be placed on the market.
Please refer to Regulation (EU) 2015/326 to get more detail information



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(3) Composite test has been performed and the result(s) is/are calculated using the total mixed sample weight.

Entry 20 of Regulation (EU) No 276/2010 amending Annex XVII of REACH Regulation (EC) No 1907/2006-Organotin compounds

Test Method : SGS In-house method (GZTC CHEM-TOP-031, with reference to ISO 17353:2004), analysis was performed by GC-MS.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>014</u>
Tributyl tin (TBT) by weight of Tin	-	%(w/w)	0.01	ND
Triphenyl tin (TPhT) by weight of Tin	-	%(w/w)	0.01	ND
Tripropyltin (TPT) by weight of Tin	-	%(w/w)	0.01	ND
Tricyclohexyltin (TCyT) by weight of Tin	-	%(w/w)	0.01	ND
Trioctyltin (TOT) by weight of Tin	-	%(w/w)	0.01	ND
Trimethyltin(TMT) by weight of Tin	-	%(w/w)	0.01	ND
Σ of Tri substituted organotin compounds by weight of Tin	0.1	%(w/w)	-	ND
Dibutyl tin (DBT) by weight of Tin	0.1	%(w/w)	0.01	ND
Diocetyl tin (DOT) by weight of Tin	0.1	%(w/w)	0.01	ND
Comment				PASS

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>015</u>
Tributyl tin (TBT) by weight of Tin	-	%(w/w)	0.01	ND
Triphenyl tin (TPhT) by weight of Tin	-	%(w/w)	0.01	ND
Tripropyltin (TPT) by weight of Tin	-	%(w/w)	0.01	ND
Tricyclohexyltin (TCyT) by weight of Tin	-	%(w/w)	0.01	ND
Trioctyltin (TOT) by weight of Tin	-	%(w/w)	0.01	ND
Trimethyltin(TMT) by weight of Tin	-	%(w/w)	0.01	ND
Σ of Tri substituted organotin compounds by weight of Tin	0.1	%(w/w)	-	ND
Dibutyl tin (DBT) by weight of Tin	0.1	%(w/w)	0.01	ND
Diocetyl tin (DOT) by weight of Tin	0.1	%(w/w)	0.01	ND
Comment				PASS

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>016</u>
Tributyl tin (TBT) by weight of Tin	-	%(w/w)	0.01	ND
Triphenyl tin (TPhT) by weight of Tin	-	%(w/w)	0.01	ND
Tripropyltin (TPT) by weight of Tin	-	%(w/w)	0.01	ND
Tricyclohexyltin (TCyT) by weight of Tin	-	%(w/w)	0.01	ND
Trioctyltin (TOT) by weight of Tin	-	%(w/w)	0.01	ND
Trimethyltin(TMT) by weight of Tin	-	%(w/w)	0.01	ND
Σ of Tri substituted organotin compounds by weight of Tin	0.1	%(w/w)	-	ND



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Dibutyl tin (DBT) by weight of Tin	0.1	%(w/w)	0.01	ND
Diocetyl tin (DOT) by weight of Tin	0.1	%(w/w)	0.01	ND
Comment				PASS

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>017</u>
Tributyl tin (TBT) by weight of Tin	-	%(w/w)	0.01	ND
Triphenyl tin (TPHT) by weight of Tin	-	%(w/w)	0.01	ND
Tripropyltin (TPT) by weight of Tin	-	%(w/w)	0.01	ND
Tricyclohexyltin (TCyT) by weight of Tin	-	%(w/w)	0.01	ND
Triocetyl tin (TOT) by weight of Tin	-	%(w/w)	0.01	ND
Trimethyltin (TMT) by weight of Tin	-	%(w/w)	0.01	ND
Σ of Tri substituted organotin compounds by weight of Tin	0.1	%(w/w)	-	ND
Dibutyl tin (DBT) by weight of Tin	0.1	%(w/w)	0.01	ND
Diocetyl tin (DOT) by weight of Tin	0.1	%(w/w)	0.01	ND
Comment				PASS

Notes:

- (1) Composite test has been performed and the result(s) is/are calculated using the total mixed sample weight.

Entry 50 of Regulation (EU) 2021/1199 amending Annex XVII of REACH Regulation (EC) No 1907/2006-Polycyclic Aromatic Hydrocarbons (PAHs)

Test Method : With reference to AfPS GS 2019:01 PAK, analysis was performed by GC-MS.

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Unit</u>	<u>MDL</u>	<u>018</u>
Benzo(a)anthracene(BaA)	56-55-3	mg/kg	0.1	ND
Chrysene(CHR)	218-01-9	mg/kg	0.1	ND
Benzo(b)fluoranthene(BbF)	205-99-2	mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	205-82-3	mg/kg	0.1	ND
Benzo(k)fluoranthene(BkF)	207-08-9	mg/kg	0.1	ND
Benzo(a)pyrene(BaP)	50-32-8	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	192-97-2	mg/kg	0.1	ND
Dibenzo(a,h)anthracene(DBA)	53-70-3	mg/kg	0.1	ND

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Unit</u>	<u>MDL</u>	<u>019</u>
Benzo(a)anthracene(BaA)	56-55-3	mg/kg	0.1	ND
Chrysene(CHR)	218-01-9	mg/kg	0.1	ND
Benzo(b)fluoranthene(BbF)	205-99-2	mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	205-82-3	mg/kg	0.1	ND
Benzo(k)fluoranthene(BkF)	207-08-9	mg/kg	0.1	ND



Benzo(a)pyrene(BaP)	50-32-8	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	192-97-2	mg/kg	0.1	ND
Dibenzo(a,h)anthracene(DBA)	53-70-3	mg/kg	0.1	ND

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Unit</u>	<u>MDL</u>	<u>020</u>
Benzo(a)anthracene(BaA)	56-55-3	mg/kg	0.1	ND
Chrysene(CHR)	218-01-9	mg/kg	0.1	ND
Benzo(b)fluoranthene(BbF)	205-99-2	mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	205-82-3	mg/kg	0.1	ND
Benzo(k)fluoranthene(BkF)	207-08-9	mg/kg	0.1	ND
Benzo(a)pyrene(BaP)	50-32-8	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	192-97-2	mg/kg	0.1	ND
Dibenzo(a,h)anthracene(DBA)	53-70-3	mg/kg	0.1	ND

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Unit</u>	<u>MDL</u>	<u>021</u>
Benzo(a)anthracene(BaA)	56-55-3	mg/kg	0.1	ND
Chrysene(CHR)	218-01-9	mg/kg	0.1	ND
Benzo(b)fluoranthene(BbF)	205-99-2	mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	205-82-3	mg/kg	0.1	ND
Benzo(k)fluoranthene(BkF)	207-08-9	mg/kg	0.1	ND
Benzo(a)pyrene(BaP)	50-32-8	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	192-97-2	mg/kg	0.1	ND
Dibenzo(a,h)anthracene(DBA)	53-70-3	mg/kg	0.1	ND

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Unit</u>	<u>MDL</u>	<u>022</u>
Benzo(a)anthracene(BaA)	56-55-3	mg/kg	0.1	ND
Chrysene(CHR)	218-01-9	mg/kg	0.1	ND
Benzo(b)fluoranthene(BbF)	205-99-2	mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	205-82-3	mg/kg	0.1	ND
Benzo(k)fluoranthene(BkF)	207-08-9	mg/kg	0.1	ND
Benzo(a)pyrene(BaP)	50-32-8	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	192-97-2	mg/kg	0.1	ND
Dibenzo(a,h)anthracene(DBA)	53-70-3	mg/kg	0.1	ND

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Unit</u>	<u>MDL</u>	<u>023</u>
Benzo(a)anthracene(BaA)	56-55-3	mg/kg	0.1	ND
Chrysene(CHR)	218-01-9	mg/kg	0.1	ND
Benzo(b)fluoranthene(BbF)	205-99-2	mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	205-82-3	mg/kg	0.1	ND



Benzo(k)fluoranthene(BkF)	207-08-9	mg/kg	0.1	ND
Benzo(a)pyrene(BaP)	50-32-8	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	192-97-2	mg/kg	0.1	ND
Dibenzo(a,h)anthracene(DBA)	53-70-3	mg/kg	0.1	ND

- The requirements of Polycyclic Aromatic Hydrocarbons content are summarized as below:

Entry 50 of Regulation (EU) 2021/1199 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Polycyclic Aromatic Hydrocarbons (PAHs)	
- Toys or Childcare Articles	0.5 mg/kg each
- General Product	1.0 mg/kg each

Notes:

(1) Composite test has been performed and the result(s) is/are calculated using the total mixed sample weight.

AfPS GS 2019:01 PAK - Polycyclic Aromatic Hydrocarbons (PAHs)

Test Method : With reference to AfPS GS 2019:01 PAK, analysis was performed by GC-MS.

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Unit</u>	<u>MDL</u>	<u>018</u>
Naphthalene(NAP)	91-20-3	mg/kg	0.1	ND
Phenanthrene(PHE)	85-01-8	mg/kg	0.1	ND
Anthracene(ANT)	120-12-7	mg/kg	0.1	ND
Fluoranthene(FLT)	206-44-0	mg/kg	0.1	ND
Pyrene(PYR)	129-00-0	mg/kg	0.1	ND
Benzo(a)anthracene(BaA)	56-55-3	mg/kg	0.1	ND
Chrysene(CHR)	218-01-9	mg/kg	0.1	ND
Benzo(b)fluoranthene(BbF)	205-99-2	mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	205-82-3	mg/kg	0.1	ND
Benzo(k)fluoranthene(BkF)	207-08-9	mg/kg	0.1	ND
Benzo(a)pyrene(BaP)	50-32-8	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	192-97-2	mg/kg	0.1	ND
Indeno(1,2,3-c,d)pyrene(IPY)	193-39-5	mg/kg	0.1	ND
Dibenzo(a,h)anthracene(DBA)	53-70-3	mg/kg	0.1	ND
Benzo(g,h,i)perylene(BPE)	191-24-2	mg/kg	0.1	ND
Sum of 4 PAHs (Phenanthrene, Pyrene, Anthracene, Fluoranthene)	-	mg/kg	-	ND
Sum of 15 PAHs	-	mg/kg	-	ND



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<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Unit</u>	<u>MDL</u>	<u>019</u>
Naphthalene(NAP)	91-20-3	mg/kg	0.1	ND
Phenanthrene(PHE)	85-01-8	mg/kg	0.1	ND
Anthracene(ANT)	120-12-7	mg/kg	0.1	ND
Fluoranthene(FLT)	206-44-0	mg/kg	0.1	ND
Pyrene(PYR)	129-00-0	mg/kg	0.1	ND
Benzo(a)anthracene(BaA)	56-55-3	mg/kg	0.1	ND
Chrysene(CHR)	218-01-9	mg/kg	0.1	ND
Benzo(b)fluoranthene(BbF)	205-99-2	mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	205-82-3	mg/kg	0.1	ND
Benzo(k)fluoranthene(BkF)	207-08-9	mg/kg	0.1	ND
Benzo(a)pyrene(BaP)	50-32-8	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	192-97-2	mg/kg	0.1	ND
Indeno(1,2,3-c,d)pyrene(IPY)	193-39-5	mg/kg	0.1	ND
Dibenzo(a,h)anthracene(DBA)	53-70-3	mg/kg	0.1	ND
Benzo(g,h,i)perylene(BPE)	191-24-2	mg/kg	0.1	ND
Sum of 4 PAHs (Phenanthrene, Pyrene, Anthracene, Fluoranthene)	-	mg/kg	-	ND
Sum of 15 PAHs	-	mg/kg	-	ND

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Unit</u>	<u>MDL</u>	<u>020</u>
Naphthalene(NAP)	91-20-3	mg/kg	0.1	ND
Phenanthrene(PHE)	85-01-8	mg/kg	0.1	ND
Anthracene(ANT)	120-12-7	mg/kg	0.1	ND
Fluoranthene(FLT)	206-44-0	mg/kg	0.1	ND
Pyrene(PYR)	129-00-0	mg/kg	0.1	ND
Benzo(a)anthracene(BaA)	56-55-3	mg/kg	0.1	ND
Chrysene(CHR)	218-01-9	mg/kg	0.1	ND
Benzo(b)fluoranthene(BbF)	205-99-2	mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	205-82-3	mg/kg	0.1	ND
Benzo(k)fluoranthene(BkF)	207-08-9	mg/kg	0.1	ND
Benzo(a)pyrene(BaP)	50-32-8	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	192-97-2	mg/kg	0.1	ND
Indeno(1,2,3-c,d)pyrene(IPY)	193-39-5	mg/kg	0.1	ND
Dibenzo(a,h)anthracene(DBA)	53-70-3	mg/kg	0.1	ND
Benzo(g,h,i)perylene(BPE)	191-24-2	mg/kg	0.1	ND
Sum of 4 PAHs (Phenanthrene, Pyrene, Anthracene, Fluoranthene)	-	mg/kg	-	ND
Sum of 15 PAHs	-	mg/kg	-	ND



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Test Item(s)	CAS NO.	Unit	MDL	021
Naphthalene(NAP)	91-20-3	mg/kg	0.1	ND
Phenanthrene(PHE)	85-01-8	mg/kg	0.1	ND
Anthracene(ANT)	120-12-7	mg/kg	0.1	ND
Fluoranthene(FLT)	206-44-0	mg/kg	0.1	ND
Pyrene(PYR)	129-00-0	mg/kg	0.1	ND
Benzo(a)anthracene(BaA)	56-55-3	mg/kg	0.1	ND
Chrysene(CHR)	218-01-9	mg/kg	0.1	ND
Benzo(b)fluoranthene(BbF)	205-99-2	mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	205-82-3	mg/kg	0.1	ND
Benzo(k)fluoranthene(BkF)	207-08-9	mg/kg	0.1	ND
Benzo(a)pyrene(BaP)	50-32-8	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	192-97-2	mg/kg	0.1	ND
Indeno(1,2,3-c,d)pyrene(IPY)	193-39-5	mg/kg	0.1	ND
Dibenzo(a,h)anthracene(DBA)	53-70-3	mg/kg	0.1	ND
Benzo(g,h,i)perylene(BPE)	191-24-2	mg/kg	0.1	ND
Sum of 4 PAHs (Phenanthrene, Pyrene, Anthracene, Fluoranthene)	-	mg/kg	-	ND
Sum of 15 PAHs	-	mg/kg	-	ND

Test Item(s)	CAS NO.	Unit	MDL	022
Naphthalene(NAP)	91-20-3	mg/kg	0.1	ND
Phenanthrene(PHE)	85-01-8	mg/kg	0.1	ND
Anthracene(ANT)	120-12-7	mg/kg	0.1	ND
Fluoranthene(FLT)	206-44-0	mg/kg	0.1	ND
Pyrene(PYR)	129-00-0	mg/kg	0.1	ND
Benzo(a)anthracene(BaA)	56-55-3	mg/kg	0.1	ND
Chrysene(CHR)	218-01-9	mg/kg	0.1	ND
Benzo(b)fluoranthene(BbF)	205-99-2	mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	205-82-3	mg/kg	0.1	ND
Benzo(k)fluoranthene(BkF)	207-08-9	mg/kg	0.1	ND
Benzo(a)pyrene(BaP)	50-32-8	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	192-97-2	mg/kg	0.1	ND
Indeno(1,2,3-c,d)pyrene(IPY)	193-39-5	mg/kg	0.1	ND
Dibenzo(a,h)anthracene(DBA)	53-70-3	mg/kg	0.1	ND
Benzo(g,h,i)perylene(BPE)	191-24-2	mg/kg	0.1	ND
Sum of 4 PAHs (Phenanthrene, Pyrene, Anthracene, Fluoranthene)	-	mg/kg	-	ND
Sum of 15 PAHs	-	mg/kg	-	ND



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<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Unit</u>	<u>MDL</u>	<u>023</u>
Naphthalene(NAP)	91-20-3	mg/kg	0.1	ND
Phenanthrene(PHE)	85-01-8	mg/kg	0.1	ND
Anthracene(ANT)	120-12-7	mg/kg	0.1	ND
Fluoranthene(FLT)	206-44-0	mg/kg	0.1	ND
Pyrene(PYR)	129-00-0	mg/kg	0.1	ND
Benzo(a)anthracene(BaA)	56-55-3	mg/kg	0.1	ND
Chrysene(CHR)	218-01-9	mg/kg	0.1	ND
Benzo(b)fluoranthene(BbF)	205-99-2	mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	205-82-3	mg/kg	0.1	ND
Benzo(k)fluoranthene(BkF)	207-08-9	mg/kg	0.1	ND
Benzo(a)pyrene(BaP)	50-32-8	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	192-97-2	mg/kg	0.1	ND
Indeno(1,2,3-c,d)pyrene(IPY)	193-39-5	mg/kg	0.1	ND
Dibenzo(a,h)anthracene(DBA)	53-70-3	mg/kg	0.1	ND
Benzo(g,h,i)perylene(BPE)	191-24-2	mg/kg	0.1	ND
Sum of 4 PAHs (Phenanthrene, Pyrene, Anthracene, Fluoranthene)	-	mg/kg	-	ND
Sum of 15 PAHs	-	mg/kg	-	ND

Notes:

- (1) According to client's statements, the tested sample(s) is/are within the scope of Category 2.
- (2) As per client information, the tested sample(s) is/are children product (<14 years) which is/are under the directive of German ProdSG.
- (3) Composite test has been performed and the result(s) is/are calculated using the total mixed sample weight.

AfPS (German commission for Product Safety) : PAHs requirements

Parameter	Category 1	Category 2		Category 3	
	Materials intended to be placed in the mouth, or materials coming into long-term contact with skin (more than 30s) during the intended use -in toys according to Directive 2009/48/EC or -for the use by children ^{a,b} up to 3 years of age.	Materials not covered by category 1, coming into long-term contact (more than 30s) or short-term repetitive contact ^c with skin during the intended or foreseeable use ^d .	a. use by children	b. other consumer products	a. use by children



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Benzo(a)pyrene (BaP) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(e)pyrene (BeP) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(a)anthracene (BaA) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(b)fluoranthene (BbF) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(j)fluoranthene (BjF) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(k)fluoranthene (BkF) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Chrysene (CHR) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Dibenzo(a,h)anthracene (DBA) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(g,h,i)perylene (BPE) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Indeno(1,2,3-cd)pyrene (IPY) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Phenanthrene (PHE), pyrene (PYR), anthracene (ANT), fluoranthene (FLT) mg/kg	< 1 Sum	< 5 Sum	< 10 Sum	< 20 Sum	< 50 Sum
Naphthalene (NAP) mg/kg	< 1	< 2		< 10	
Sum of 15 PAHs mg/kg	< 1	< 5	< 10	< 20	< 50

Note:

- ^a A "Child" is legally defined as a person before reaching the age of 14 years.
- ^b Use by children includes both active and passive contact by children.
- ^c Definition "short-term repetitive contact" taken from REACH Annex XVII entry 50 amendment (Regulation (EC) No. 1272/2013)
- ^d According to the definition of the German Product Safety Act (ProdSG) (chapter 1 Article 2 No. 28) "foreseeable use" shall mean the use of a product in a manner that the person placing it on the market, has not intended, but which could be reasonably foreseeable.

Remark: The German committee on Product Safety (AfPS) published a new PAHs document (AfPS GS 2019:01 PAK) on April 10, 2020, which will be binding for the issue of GS mark certificate from July 1, 2020.

European Regulation POPs (EU) 2019/1021 - Alkanes C₁₀~C₁₃, chloro (short chain-chlorinated paraffins) (SCCPs)

Test Method : With reference to ISO 22818:2021, analysis was performed by GC-NCI-MS.

Test Item(s)	CAS NO.	Limit	Unit	MDL	014
Alkanes C ₁₀ ~C ₁₃ , chloro (short chain-chlorinated paraffins) (SCCPs)	85535-84-8 and others	1500	mg/kg	50	ND
Comment					PASS



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Test Item(s)	CAS NO.	Limit	Unit	MDL	015
Alkanes C ₁₀ ~C ₁₃ , chloro (short chain-chlorinated paraffins) (SCCPs)	85535-84-8 and others	1500	mg/kg	50	ND
Comment					PASS
Test Item(s)	CAS NO.	Limit	Unit	MDL	016
Alkanes C ₁₀ ~C ₁₃ , chloro (short chain-chlorinated paraffins) (SCCPs)	85535-84-8 and others	1500	mg/kg	50	ND
Comment					PASS
Test Item(s)	CAS NO.	Limit	Unit	MDL	017
Alkanes C ₁₀ ~C ₁₃ , chloro (short chain-chlorinated paraffins) (SCCPs)	85535-84-8 and others	1500	mg/kg	50	ND
Comment					PASS

Notes:

(1) Composite test has been performed and the result(s) is/are calculated using the total mixed sample weight.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w = 0$) stated in ILAC-G8:09/2019.

Sample photo:



Product Photo



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II. SGS Ref No.: T52210311122TY

This test was subcontracted to SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch.

Labeled Age Grading : ABOVE 3 YEARS
 Requested Age Grading : 3+
 Age Group Assessed by SGS As Per Age : OVER 3 YEARS
 Guideline
 Age Group Applied in Testing : OVER 3 YEARS

Test Requested		Conclusion
1.	For compliance with the International Standard on Safety of toys:-	--
	ISO 8124-1: 2018 + A1: 2020 + A2: 2020 – Safety of toys – Part 1: Safety aspects related to mechanical and physical properties	PASS
	ISO 8124-2:2014 – Safety of toys – Part 2: Flammability	PASS
2.	For compliance with the European standard on Safety of toys:-	--
	EN 71-1:2014+A1:2018 – Safety of toys – Part 1: Mechanical and Physical Properties	PASS
	EN 71-2: 2020 – Safety of toys – Part 2: Flammability	PASS
	Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark (name, address), product identification) according to Informative Annex A.26 and A.33 of the European standard on Safety of toys EN 71-1:2014+A1:2018 and the Directive 2009/48/EC-Safety of toys	SEE RESULT

Results:

ISO 8124-1:2018+A1:2020+A2:2020 – SAFETY OF TOYS – PART 1: SAFETY ASPECTS RELATED TO MECHANICAL AND PHYSICAL PROPERTIES

AS SPECIFIED IN ISO 8124.1:2018+A1:2020+A2:2020 – SAFETY OF TOYS – PART 1: SAFETY ASPECTS RELATED TO MECHANICAL AND PHYSICAL PROPERTIES

Clauses relevant to the item:

Clause	Description	Result
4	Requirements	
4.1	Normal use	<u>Pass</u>
4.2	Reasonably foreseeable abuse	<u>Pass</u>



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4.3	Material	
	4.3.1 Material quality (Visual Examination)	<u>Pass</u>
4.6	Edges	<u>Pass</u>
4.7	Points	<u>Pass</u>
4.10	Plastic film or plastic bags in packaging and in toys	<u>Pass</u>
4.18	Projectile toys	<u>Pass</u>
4.31	Magnets and magnetic components	<u>Pass</u>
Annex B	Safety-labeling guidelines and manufacturer's markings	
B.2	Safety-labeling guidelines	
B.2.1	Good practice for visibility and legibility	<u>See Remark</u>
	Remark: The standard has introduced good practice by addressing the following aspects:	
	a) Emphasising the warning	
	b) Contrast, background and colours	
	c) Reflecting surfaces and obscuring material	
	d) Font type	
	e) Font and symbol size	
	f) Logical direction of text	
B.2.2	Age grading	<u>Pass</u>
B.4	Manufacturer's Markings	<u>Pass</u>

ISO 8124.2:2014 – SAFETY OF TOYS – PART 2: FLAMMABILITY

AS SPECIFIED IN ISO 8124.2:2014 – SAFETY OF TOYS – PART 2: FLAMMABILITY

Clauses relevant to the item:

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4.1	General Requirements	<u>Pass</u>

Type of gas: Butane gas used in the test burner

EUROPEAN STANDARD ON SAFETY OF TOYS

EN 71-1:2014 + A1:2018 – SAFETY OF TOYS – PART 1: MECHANICAL AND PHYSICAL PROPERTIES

AS SPECIFIED IN EN 71-1:2014 + A1:2018 – SAFETY OF TOYS – PART 1: MECHANICAL AND PHYSICAL PROPERTIES

Clauses relevant to the item:



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<u>Clause</u>	<u>Description</u>	<u>Result</u>
4	General requirements	
4.1	Material cleanliness	<u>Pass</u>
4.7	Edges	<u>Pass</u>
4.8	Points and metallic wires	<u>Pass</u>
4.17	Projectiles	<u>Pass</u>
4.23	Magnets	<u>Pass</u>
6	Packaging	<u>Pass</u>
7	Warnings, markings and instructions for use	
7.1	General Requirements	<u>Pass</u>
	Please note that for assessing the visibility and legibility of warnings CEN has introduced good practice in the informative Annex 33 by addressing the following aspects:	
	a) Emphasising the warning;	
	b) Contrast, background and colours;	
	c) Reflecting surfaces and obscuring material;	
	d) Font type;	
	e) Font size;	
	f) Logical direction of text.	
	For more details see EN 71-1	
7.2	Toys not intended for children under 36 months	<u>N/A</u>
	(Remark: No hazard was found before and after abuse test with reference to clause 5.)	<u>See Remark</u>

Only English warnings were checked for the clause 7. According to 2009/48/EC, warnings and safety instructions shall be written in a language or languages easily understood by consumers.

EN 71-2: 2020 – SAFETY OF TOYS – PART 2: FLAMMABILITY

AS SPECIFIED IN EN 71-2: 2020 – SAFETY OF TOYS – PART 2: FLAMMABILITY

Clauses relevant to the item:

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4.1	General requirements	<u>Pass</u>

Type of gas: Butane gas used in the test burner

LABELING REQUIREMENT (WASHING/CLEANING INSTRUCTION, CE MARK, IMPORTER / MANUFACTURER NAME AND ADDRESS, PRODUCT IDENTIFICATION) ACCORDING TO INFORMATIVE ANNEX A.26 AND A.33 OF THE EUROPEAN STANDARD ON SAFETY OF TOYS EN 71-1:2014+A1:2018 AND THE DIRECTIVE 2009/48/EC – SAFETY OF TOYS



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Summary table:

	Observation Result	Location
Washing/Cleaning instruction	Not applicable	--
CE mark	Present	Packaging
Importer's Name & Address	Absent. See note 3	--
Manufacturer's Name & Address	Present	Packaging
Product ID	Absent. See note 4	--

Note:

1. According to Directive 2009/48/EC, a toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. A textile toy must, to this end, be washable, except if it contains a mechanism that may be damaged if soak washed. The manufacturer should, if applicable, provide instructions on how the toy has to be cleaned. According to the GUIDANCE DOCUMENT ON THE APPLICATION OF DIRECTIVE 2009/48/EC ON THE SAFETY OF TOYS, manufacturer shall not label "surface washing" on textile toys which, under the TSD, need to be soak washable."
2. CE marking should be visible from outside the packaging and its height must be at least 5mm.
3. Manufacturer's and Importer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted must be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy.
4. Manufacturers must ensure that their toys bear a type, batch, serial or model number or other element allowing their identification, or where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.

N.B. : - Only applicable clauses were shown.

Remark:

1. Since the data and / or information above division line of front page is provided by the applicant, the relevant results or conclusions of this report are only made for these data and / or information, SGS shall not be responsible for the authenticity and integrity of such data and information and the validity of the results and / or conclusions arising therefrom. Testing results only apply to the sample as received.
2. The statement of conformity has considered the decision rule based on the Guarded acceptance (8.3.2 of ISO/IEC GUIDE 98-4:2012). When the measured value falls within the guard band, only the test data and measurement uncertainty will be reported. The guard band is equal to the expanded measurement uncertainty with a 95% coverage probability($k=2$), $w = U_{95}$. The Probability of False Accept and the Probability of False Reject of the decision rule are 2.5%.

For Upper Tolerance Limit (T_U):

Pass - when the measurement result is below $T_U - U_{95}$

Fail - when the measurement result is above $T_U + U_{95}$

Inconclusive - when the measurement result is falling in guard band [$T_U - U_{95}$, $T_U + U_{95}$]

For Lower Tolerance Limit (T_L):

Pass - when the measurement result is above $T_L + U_{95}$

Fail - when the measurement result is below $T_L - U_{95}$

Inconclusive - when the measurement result is falling in guard band [$T_L - U_{95}$, $T_L + U_{95}$]



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Sample Photo:



End of Report



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