Test Report

GUANGZHOU PLATO PLASTIC CO.,LTD
DAYUAN VILLAGE HENGLI TOWN NANSHA DISTRICT GUANGZHOU CITY GUANGDONG CHINA

The following sample(s) was / were submitted and identified on behalf of the client as:

Sample Description	:	PVC TARPAULIN
SGS Ref No.	:	GZIN1904015411SC
Manufacturer	:	GUANGZHOU PLATO PLASTIC CO.,LTD
Sample Receiving Date	:	Apr.08, 2019
Test Performing Date	:	Apr.08, 2019 to Apr.11, 2019

Test Result Summary

No.	Test(s) Requested	Result(s)	Comments
1	European standard EN 71-2: 2011+A1:2014 Safety of toys - Part 2: Flammability Clause 4.1 & 4.4	PASS	/
For further details, please refer to the following page(s)			

Signed for and on behalf of
Shunde Branch
SGS-CSTC Co., Ltd.

Irvette Zhang
Approved signatory

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Test Conducted:

European standard EN 71-2: 2011+A1:2014 Safety of Toys - Part 2: Flammability Clause 4.1&4.4.

I. Sample Details

Materials:	Plastics
Weight:	423 g/m²

II. Precondition and Test Condition

Soaking Condition		☒ NO	
---	Temperature	Relative humidity	Duration
Precondition	(20±5)℃	(65±5)%	24h
Test Condition	26℃	62%	———

III. Test Results

Clause	Description	Result
4.1	General requirements The following materials shall not be used in the manufacture of toys: ----celluloid (cellulose nitrate), except when used in varnish, paint or glue, or in balls of the type used for table tennis or similar games, and ----materials with the same behaviour in fire as celluloid. ----materials with a piled surface which produce *surface flash* when a flame is applied to the tested material under the conditions described in 5.5.1 and 5.5.2. Piled surfaces showing no momentary area of flame over the area of the piled surface remote from the test flame are considered to meet this requirement; In addition, toys shall not contain *flammable gases, extremely flammable liquids, highly flammable liquids*, *flammable liquids* and flammable gels except as provided for below: ----*flammable liquids* and flammable gels supplied in sealed containers having a maximum volume of 15 ml per container; ----*highly flammable liquids* and *flammable liquids* being entirely retained within a porous material in capillary channels of writing instruments; ----*flammable liquids* with a viscosity greater than 260×10^{-6} m²/s corresponding to a flow time of more than 38 s when determined in accordance with EN ISO 2431 using cup No. 6; ----*highly flammable liquids* contained in *chemical toys*.	Pass
4.4	Toys intended to be entered by a child (1) the rate of spread of flame of the test sample shall not exceed 30 mm/s or the test sample shall self-extinguish. (2) If the test sample has a rate of spread of flame greater than 20 mm/s there shall be no *flaming debris* or *molten drips.* (3) If the rate of spread of flame is between 10 mm/s and 30 mm/s, the appropriate part(s) of the toy and the packaging shall be permanently marked with the following warning: **"Warning. Keep away from fire."**	Pass*

Remark: *— As per client's requirement, the soaking condition was not conducted.

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IV. Test Details

Toys intended to be entered by a child (EN71-2:2011+A1:2014, clause 4.4)

Sample Direction	Burning Length (mm)	Burning Time (sec)	Burning Rate (mm/sec)	Flaming debris or molten drips	Comments & Observation
→	0	0	0	No	DNI

Remark:

DNI — Did not ignite or ignited but self-extinguished before reaching the first measuring point.
IBE — Ignited and the first marker thread was severed and the flame extinguished before severing the stop cord, the material tested was considered as self-extinguishing.
IAR — Ignited and the flame reached the stop cord.

Photo Appendix:

Before testing

After testing

End of Report

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