

YIWU SHUANGYUAN CHRISTMAS ARTWARE LIMITED
YIDONG INDUSTRIAL ZONE, YIWU ZHEJIANG(INSIDE YIWU HUASHI SOCKS CO.LTD)

Sample Description : CHRISTMAS TREE

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 : Oct 29, 2020

Test Performing Date : Oct 29, 2020 to Nov 05, 2020

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



GZHL2010054120SD



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Guangzhou Branch Testing Center Headlines

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I . SGS Ref No.: CAN20-189542

Test Requested	Result
Entry 50 of Commission Regulation (EU) 2015/326 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Polycyclic Aromatic Hydrocarbons (PAHs)	PASS
European Regulation POPs (EU) 2019/1021 - Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)	PASS

Test Results :

Test Part Description :

SGS Sample ID	Description
CAN20-189542.001	Dark green soft plastic(leaves)

Remarks :

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

Entry 50 of Commission Regulation (EU) 2015/326 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.

Test Item(s)	CAS NO.	Unit	MDL	001
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 Commission Regulation (EU) 2015/326 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



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

Test Method : With reference to ISO 18219: 2015, analysis was performed by GC-NCI-MS / GC-ECD.

Test Item(s)	Limit	Unit	MDL	001
Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)	1500	mg/kg	50	1196

Sample photo:



Product Photo

II. SGS Ref No.: SDFS2010006960FF

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

Test Result Summary

No.	Test(s) Requested	Result(s)	Comments
1	Title 16 part 1500.44 code of federal regulations U.S.A.: Method for determining extremely flammable and flammable solids	PASS	The submitted sample was not Flammable solid defined in 16 part 1500.3(c)(6)(vi) code of federal regulations U.S.A.
2	European standard EN 71-2: 2011+A1:2014 Safety of toys - Part 2: Flammability Clause 4.1	PASS	/



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Test 1

Flammability Test on Solid

AS SPECIFIED IN TITLE 16 PART 1500.44 CODE OF FEDERAL REGULATIONS U.S.A.

Requirement:

A solid substance is considered a "flammable solid" if it ignites and burns with a self-sustaining flame at a rate greater than 0.1 in/sec along its major axis.

Test Result:

Sample	Burning Rate (inch/sec)
Christmas tree	DNI

Remark: DNI--Did Not Ignite; IBE--Ignite But Self-Extinguished;

*--Burning rate has been rounded to the nearest one tenth of an inch per second.

Sample photo:



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Test 2
Test Conducted:
European standard EN 71-2: 2011+A1:2014 Safety of Toys - Part 2: Flammability Clause 4.1
I. Sample Details

Name:	Christmas tree
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II. Precondition and Test Condition

---	Temperature	Relative humidity	Duration
Precondition	(20±5)°C	(65±5)%	24h
Test Condition	25.3°C	54%	-----

III. Test Results

Clause	Description	Result
4.1	<p>General requirements</p> <p>The following materials shall not be used in the manufacture of toys:</p> <p>----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</p> <p>----materials with the same behaviour in fire as celluloid.</p> <p>----materials with a piled surface which produce <i>surface flash</i> 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;</p> <p>In addition, toys shall not contain <i>flammable gases, extremely flammable liquids, highly flammable liquids, flammable liquids</i> and flammable gels except as provided for below:</p> <p>----<i>flammable liquids</i> and flammable gels supplied in sealed containers having a maximum volume of 15 ml per container;</p> <p>----<i>highly flammable liquids</i> and <i>flammable liquids</i> being entirely retained within a porous material in capillary channels of writing instruments;</p> <p>----<i>flammable liquids</i> with a viscosity greater than $260 \times 10^{-6} \text{ m}^2/\text{s}$ corresponding to a flow time of more than 38 s when determined in accordance with EN ISO 2431 using cup No. 6;</p> <p>----<i>highly flammable liquids</i> contained in <i>chemical toys</i>.</p>	Pass



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Sample photo:



End of Report



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