



中国认可
国际互认
检测
TESTING
CNAS L1744

ZHONG JIE EDUCATIONAL TOYS INDUSTRIAL CO., LTD

Technical Report: (8820)090-0012

Apr 6, 2020

Date Received: Mar 30, 2020

Page 1 of 15

ZHONG JIE EDUCATIONAL TOYS INDUSTRIAL CO., LTD
BEILONG AREA, HUADONG ROAD, GUANGYI STREET,
CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG, CHINA.

Sample Description:	DINOSAUR SERIES, ANIMAL SERIES AND SCENE SERIES	Sample Size:	12
Vendor:	N/A	Style No(s):	SEE ATTACHMENT
Manufacturer:	N/A	SKN/SKU No.:	NOT PROVIDE
Labeled Age Grade:	NOT RECORD	PO No.:	NOT PROVIDE
Appropriate Age Grade:	NOT REQUESTED	Ref #:	NOT PROVIDE
Client Specified Age Grade:	3+	Country of Origin:	CHINA
Tested Age Grade:	OVER 3 YEARS OF AGE	Assortment No.:	NOT PROVIDE
UPC Code:	N/A	Test Finished Date:	APR 6, 2020
Test Starting Date:	MAR 30, 2020		

EXECUTIVE SUMMARY:

The tested component sample(s) MEETS the following requirement(s):

- The Polycyclic Aromatic Hydrocarbons (PAHs) Content requirement of German Product Safety Commission GS Specification AfPS GS 2014:01 PAK, "Testing and validation of PAHs in products in the course of GS-Mark Certification".

Note: At the request of client, test(s) was conducted on the certain component(s) of the submitted samples(s) / submitted component(s).



BUREAU VERITAS SHENZHEN CO.,LTD
DONGGUAN BRANCH

Harvey Xue
Manager, Analytical Lab

RT/Tina Ye/Sammy Du

REMARK

If there are questions or concerns on this report, please contact the following persons:

Report Enquiry: (86) 0769 89952999 Ext. 8175 CPSAnalytical.DG@bureauveritas.com

Business Contact: (86) 0769 85893595

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ZHONG JIE EDUCATIONAL TOYS INDUSTRIAL CO., LTD
Technical Report: **(8820)090-0012**

Apr 6, 2020

Page 2 of 15

ATTACHMENT:

Style No(s):

Q9899-01,Q9899-02,Q9899-03,Q9899-04,Q9899-05,Q9899-06,Q9899-07,Q9899-08,Q9899-09, Q9899-1 ,
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ZHONG JIE EDUCATIONAL TOYS INDUSTRIAL CO., LTD

Technical Report: **(8820)090-0012**

Apr 6, 2020

Page 3 of 15

ATTACHMENT:

Style No(s):

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ZHONG JIE EDUCATIONAL TOYS INDUSTRIAL CO., LTD

Technical Report: **(8820)090-0012**

Apr 6, 2020

Page 4 of 15

ATTACHMENT:

Style No(s):

Q9899-X24 , Q9899-X25 , Q9899-X26 , Q9899-X27 , Q9899-Y1 , Q9899-Y2 , Q9899-Y3 , Q9899-Y20 ,
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ZHONG JIE EDUCATIONAL TOYS INDUSTRIAL CO., LTD

Technical Report: **(8820)090-0012**

Apr 6, 2020

Page 5 of 15

ATTACHMENT:

Style No(s):

Q9899-P40 , Q9899-P41 , Q9899-P42 , Q9899-P43 , Q9899-P44 , Q9899-Y60 , Q9899-Y75 , Q9899-A37 ,
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 Q9899-U20

Tested Component(s) Description List:

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
I001	Dark brown /dark green /orange / yellow coating	Body of dinosaur	-
I012	Green PVC	Dinosaur	-

RESULTS:

Polycyclic Aromatic Hydrocarbons (PAHs) Content – German Product Safety Commission GS Specification AfPS GS 2014:01 PAK

Test Method : With reference to test method mentioned in German AfPS GS 2014:01 PAK

Type (See Comment for the List of Types)	I	IIa	IIb	IIIa	IIIb
Test Parameter(s)	Limit ^[a] (mg/kg)				
Each of Benzo (a) pyrene, Benzo (e) pyrene, Benzo (a) anthracene, Benzo (b) fluoranthene, Benzo (j) fluoranthene, Benzo (k) fluoranthene, Chrysene, Dibenzo (a,h) anthracene, Benzo (g,h,i) perylene and Indeno (1,2,3-cd) pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Naphthalene	< 1	< 2	< 2	< 10	< 10
Sum of Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Pyrene, Anthracene and Fluoranthene (Sum of No.11 to No.17 of listed PAHs)	< 1	< 5	< 10	< 20	< 50
Sum of all listed PAHs	< 1	< 5	< 10	< 20	< 50

Test Item(s)	Type	Result			Conclusion
		Detected Analyte(s)	Conc.	Unit	
I001	IIa	Naphthalene	0.39	mg/kg	PASS
		Sum of all listed PAHs	0.39		
I012	IIa	Naphthalene	0.32	mg/kg	PASS
		Sum of all listed PAHs	0.32		

Note / key:

ND = Not detected “>” = More than Conc. = Concentration
 mg/kg = milligram(s) per kilogram “<” = Less than

Detection Limit (mg/kg): Each PAHs: 0.2; Sum of all PAHs: 0.2

Remark:

- The list of polycyclic aromatic hydrocarbons is summarized in table of Appendix.
- Plasticized and rubberized prints, coatings and plastic materials of product are applicable to be tested.
- ^[a] Denotes as this (these) limit(s) applies to product(s) with GS-Mark dated on or after July 01, 2015.



ZHONG JIE EDUCATIONAL TOYS INDUSTRIAL CO., LTD

Technical Report: **(8820)090-0012**

Apr 6, 2020

Page 7 of 15

RESULTS:

List of Types [Categories defined in German AfPS GS 2014:01 PAK] :		
Category	Category Description(s)	Type
1	Category 1: Materials intended for mouth contact or materials in toys with intended long-term skin contact for more than 30 seconds	I
2	Category 2: Materials which are not covered in Category 1 with foreseeable contact to skin longer than 30 seconds (Long-term skin contact) or repeated short-term skin contact	IIa ^[a] or IIb ^[b]
3	Category 3: Materials which are not covered in Category 1 or Category 2 with foreseeable skin contact up to 30 seconds (Short-term skin contact)	IIIa ^[a] or IIIb ^[b]
<p>^[a] denotes as toys according to European Parliament and Council Directive 2009/48/EC ^[b] denotes as other products according to German ProdSG</p>		

APPENDIX:

List of Polycyclic Aromatic Hydrocarbons (PAHs) [German AfPS GS 2014:01 PAK] :					
No.	Name of Analyte(s)	CAS-No.	No.	Name of Analyte(s)	CAS-No.
1	Benzo (a) pyrene	50-32-8	10	Indeno (1,2,3-cd) pyrene	193-39-5
2	Benzo (e) pyrene	192-97-2	11	Acenaphthylene	208-96-8
3	Benzo (a) anthracene	56-55-3	12	Acenaphthene	83-32-9
4	Benzo (b) fluoranthene	205-99-2	13	Fluorene	86-73-7
5	Benzo (j) fluoranthene	205-82-3	14	Phenanthrene	85-01-8
6	Benzo (k) fluoranthene	207-08-9	15	Pyrene	129-00-0
7	Chrysene	218-01-9	16	Anthracene	120-12-7
8	Dibenzo (a,h) anthracene	53-70-3	17	Fluoranthene	206-44-0
9	Benzo (g,h,i) perylene	191-24-2	18	Naphthalene	91-20-3
CAS-No. = Chemical Abstracts Service registry number					



**BUREAU
VERITAS**

ZHONG JIE EDUCATIONAL TOYS INDUSTRIAL CO., LTD

Technical Report: **(8820)090-0012**

Apr 6, 2020

Page 8 of 15

RESULTS:





**BUREAU
VERITAS**

ZHONG JIE EDUCATIONAL TOYS INDUSTRIAL CO., LTD

Technical Report: **(8820)090-0012**

Apr 6, 2020

Page 9 of 15

RESULTS:





**BUREAU
VERITAS**

ZHONG JIE EDUCATIONAL TOYS INDUSTRIAL CO., LTD

Technical Report: **(8820)090-0012**

Apr 6, 2020

Page 10 of 15

RESULTS:





**BUREAU
VERITAS**

ZHONG JIE EDUCATIONAL TOYS INDUSTRIAL CO., LTD

Technical Report: **(8820)090-0012**

Apr 6, 2020

Page 11 of 15

RESULTS:





**BUREAU
VERITAS**

ZHONG JIE EDUCATIONAL TOYS INDUSTRIAL CO., LTD

Technical Report: **(8820)090-0012**

Apr 6, 2020

Page 12 of 15

RESULTS:





**BUREAU
VERITAS**

ZHONG JIE EDUCATIONAL TOYS INDUSTRIAL CO., LTD

Technical Report: **(8820)090-0012**

Apr 6, 2020

Page 13 of 15

RESULTS:





**BUREAU
VERITAS**

ZHONG JIE EDUCATIONAL TOYS INDUSTRIAL CO., LTD

Technical Report: **(8820)090-0012**

Apr 6, 2020

Page 14 of 15

RESULTS:





**BUREAU
VERITAS**

ZHONG JIE EDUCATIONAL TOYS INDUSTRIAL CO., LTD

Technical Report: **(8820)090-0012**

Apr 6, 2020

Page 15 of 15

RESULTS:



END OF REPORT