

Test Report

Report No.: NB2019124868

Date: December 24, 2019

Page:1/6

Applicant: DONGGUAN CITY ZHILI GAS SPRING CO ,LTD
Address: HONGLING INDUSTRIAL ZONE ,SHENXIANG VILLAGE, QISHI TOWN,
 DONGGUAN CITY , GUANGDONG PROVINCE ,R.P.OF CHINA

The following merchandise were submitted and identified by the clients as:

Sample Name: Gas Spring

The following information were confirmed by the laboratory:

Testing Period: From December 23, 2019 to December 24, 2019

Test Results: Please refer to next page(s)

Summary of test results

Test Requested	Conclusion
1 Polycyclic Aromatic Hydrocarbons (PAHs) Content - German Product Safety Commission GS Specification AfPS GS 2019:01 PAK	PASS
2 Polycyclic Aromatic Hydrocarbons (PAHs) Content - German Product Safety Commission GS Specification AfPS GS 2014:01 PAK	PASS

Remark: Tested part(s) was/were specified by client.

Signed for and on behalf of Guangdong NewBest Testing Service Co., Ltd.

Approved by:

Jimm

Manager



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Test Report

Report No.: NB2019124868

Date: December 24, 2019

Page:2/6

Test results:

Tested part(s) description:

Test Item(s)	Description	Location
I001	Black coating	Handle

1. Polycyclic Aromatic Hydrocarbons (PAHs) Content - German Product Safety Commission GS Specification AfPS GS 2019:01 PAK

Test Method: AfPS GS 2019:01 PAK (PAH) , analysis by Gas Chromatograph Mass Spectrometer.

Test item	CAS No.	Result (mg/kg)
		I001
1. Naphthalene	91-20-3	N.D.
2. Phenanthrene	85-01-8	N.D.
3. Anthracene	120-12-7	N.D.
4. Fluoranthene	206-44-0	N.D.
5. Pyrene	129-00-0	N.D.
Sum of No. 2 to No. 5 PAHs	--	N.D.
6. Benzo[a]pyrene	50-32-8	N.D.
7. Benzo[e]pyrene	192-97-2	N.D.
8. Benzo[a]anthracene	56-55-3	N.D.
9. Benzo[b]fluoranthene	205-99-2	N.D.
10. Benzo[j]fluoranthene	205-82-3	N.D.
11. Benzo[k]fluoranthene	207-08-9	N.D.
12. Chrysene	218-01-9	N.D.
13. Dibenzo[a,h]anthracene	53-70-3	N.D.
14. Indeno[1,2,3-c,d]pyrene	193-39-5	N.D.
15. Benzo[g,h,i]perylene	191-24-2	N.D.
Sum of all above PAHs	--	N.D.
Type	--	I
Conclusion	--	PASS

Note: N.D.= Not Detected(<MDL)
 mg/kg = milligram per kilogram = ppm = part per million
 MDL= Detection Limit (mg/kg): 0.2
 PAHs limits and product types are shown in the appendix

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Test Report

Report No.: NB2019124868

Date: December 24, 2019

Page:3/6

Type (See Comment for the List of Types)	I	IIa	IIb	IIIa	IIIb
Test Parameter(s)	Limit (mg/kg)				
Naphthalene	< 1	< 2	<2	< 10	< 10
Sum of Phenanthrene, Pyrene, Anthracene and Fluoranthene(Sum of No. 2 to No. 5 of listed PAHs)	< 1	< 5	< 10	< 20	< 50
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-c,d]pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Sum of all above PAHs	< 1	< 5	< 10	< 20	< 50

List of Types [Categories defined in German AfPS GS 2019:01 PAK] :

Category	Category Description(s)	Type
1	Materials intended to be put into the mouth, or materials in toys according to Directive 2009/48/EC, or materials in articles for use by children up to three years of age with long-term skin contact (longer than 30s) when used as intended	I
2	Materials that are not covered by Category 1, with long-term skin contact (longer than 30s) or repeated short-term skin contact if used as intended or foreseeable	IIa or IIb
3	Materials that are not covered by Category 1 or 2, with short-term skin contact (up to 30 s) when used as intended or foreseeable	IIIa or IIIb

a denotes as use by children under 14 years old
b denotes as other consumer products

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

Test Method: AfPS GS 2014:01 PAK (PAH), analysis by Gas Chromatograph Mass Spectrometer.

Test item	CAS No.	Result (mg/kg)
		I001
1. Naphthalene	91-20-3	N.D.
2. Acenaphthylene	208-96-8	N.D.
3. Acenaphthene	83-32-9	N.D.
4. Fluorene	86-73-7	N.D.
5. Phenanthrene	85-01-8	N.D.
6. Anthracene	120-12-7	N.D.
7. Fluoranthene	206-44-0	N.D.
8. Pyrene	129-00-0	N.D.
Sum of No. 2 to No. 8 PAHs	--	N.D.

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Test Report

Report No.: NB2019124868

Date: December 24, 2019

Page:4/6

Test item	CAS No.	Result (mg/kg)
		I001
9. Benzo[a]pyrene	50-32-8	N.D.
10. Benzo[e]pyrene	192-97-2	N.D.
11. Benzo[a]anthracene	56-55-3	N.D.
12. Benzo[b]fluoranthene	205-99-2	N.D.
13. Benzo[j]fluoranthene	205-82-3	N.D.
14. Benzo[k]fluoranthene	207-08-9	N.D.
15. Chrysene	218-01-9	N.D.
16. Dibenzo[a,h]anthracene	53-70-3	N.D.
17. Indeno[1,2,3-c,d]pyrene	193-39-5	N.D.
18. Benzo[g,h,i]perylene	191-24-2	N.D.
Sum of all above PAHs	--	N.D.
Type	--	I
Conclusion	--	PASS

Note: N.D.= Not Detected(<MDL)
 mg/kg = milligram per kilogram = ppm = part per million
 MDL= Detection Limit (mg/kg): 0.2

Type (See Comment for the List of Types)	I	Ila	Ilb	IIla	IIlb
Test Parameter(s)	Limit (mg/kg)				
Naphthalene	< 1	< 2	<2	< 10	< 10
Sum of Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Pyrene, Anthracene and Fluoranthene (Sum of No. 2 to No. 8 of listed PAHs)	< 1	< 5	< 10	< 20	< 50
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-c,d]pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Sum of all above PAHs	< 1	< 5	< 10	< 20	< 50

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Test Report

Report No.: NB2019124868

Date: December 24, 2019

Page:5/6

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 or IIb
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 or IIIb
<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>		

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Test Report

Report No.: **NB2019124868**

Date: **December 24, 2019**

Page:6/6

Samples photograph



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*** End of Report ***

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