

## Test Report

**Customer** : PAUL STRICKER SA | REDA A.S.

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00 BRNO – CZECH REPUBLIC

**Received Date** : Mar 20, 2019

**Turn Around Time** : Mar 20, 2019 to Mar 25, 2019

**Sample Description** : CHEER STICKS

<b>Item No.</b>	:	98454	<b>Labeled Age Grade</b>	:	N/A
<b>Model No.</b>	:	N/A	<b>Appropriate Age Grade</b>	:	N/A
<b>SKN/SKU No.</b>	:	N/A	<b>Customer Specified Age Grade</b>	:	N/A
<b>Style No(s)</b>	:	N/A	<b>Country of Destination</b>	:	N/A
<b>PO No.</b>	:	N/A	<b>Country of Origin</b>	:	CHINA
<b>Buyer</b>	:	N/A			
<b>Manufacturer</b>	:	N/A			

<b>Test Specification</b>	:		<b>Conclusion:</b>
1	SVHC Test-Selected		Pass
2	Polycyclic Aromatic Hydrocarbons (PAHs) - AfPS GS		Pass

\*\*\*\*\* FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) \*\*\*\*\*

### Laboratory Contact Information

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**Authorized By** :

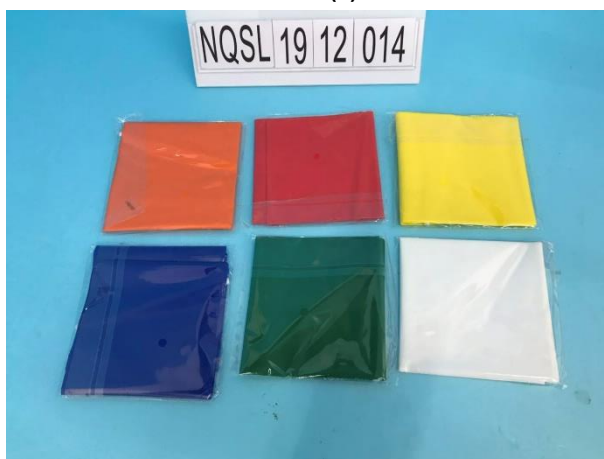


**Amy Wang / Authorized Signatory**









Results obtained refer only to samples, products or material received in laboratory, as described in point related to sample description, and tested in conditions shown in present report. If you happen to have any comments, please do it by sending email to info@newpath.com.cn and referring to this report number. The report shall not be reproduced except in full without approval of laboratory.



Photo(s)



**Tested Component(s)**

			
1. Green plastic	2. Orange plastic	3. Blue plastic	4. Yellow plastic
			
5. White plastic	6. Red plastic	7. White plastic tube	8. Transparent plastic

**Abbreviation**

ND = Not Detected (less than RL).  
 mg/kg = milligram per kilogram = ppm.

RL = Reporting Limit.  
 1 mg/kg = 0.0001%.

NT = Not Tested.  
 NM = Not Meet.

N/A = Not Applicable.  
 NC = No Comment.

### Test Result

#### SVHC Test-Selected

Test Method : By solvent extraction, followed by Gas Chromatographic - Mass Spectrometry (GC-MS) and/or Liquid Chromatographic - Mass Spectrometry (LC-MS) analysis.

Test Result :

<u>Chemical Substances</u>	<u>EC No.</u>	<u>CAS No.</u>	<u>1+2+3+4+5+6+8</u>	<u>Z</u>
Hexabromocyclododecane/ HBCDD and all major diastereoisomers identified ( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD)	247-148-4 and 221-695-9	25637-99-4 and 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8)	<0.01	<0.01
Bis(pentabromophenyl) ether/ Decabromodiphenyl ether, DecaBDE	214-604-9	1163-19-5	<0.01	<0.01

#### Conclusion

**Pass<sup>b</sup>**

**Pass<sup>b</sup>**

#### Remark(s):

- SVHC = Substance of Very High Concern.
- <sup>a</sup> As per Article 33(1) of the REACH Regulation (EC1907/2006), recipients of product must be provided with information of safe use if any of the tested substances (SVHC) exceeded 0.1%(w/w). A product meets the requirement of Article 33(1) by default when no SVHC exceeds 0.1%(w/w).
- <sup>b</sup> As per Court of the European Union Judgment in Case C-106/14, press release No 100/15 dated 10 September 2015, each of the articles incorporated as a component of a complex product is covered by the relevant duties to notify and provide information when they contain a substance of very high concern in a concentration above 0.1% of their mass.

# **Polycyclic Aromatic Hydrocarbons (PAHs) - AfPS GS**

Test Method : AfPS GS 2014:01 PAK.

Test Result :

Parameter	Unit	Limit	<u>Z</u>
Benzo[a]anthracene	mg/kg	0.2	ND
Benzo[a]pyrene(BaP)	mg/kg	0.2	ND
Benzo[b]fluoranthene	mg/kg	0.2	ND
Benzo[k]fluoranthene	mg/kg	0.2	ND
Benzo[j]fluoranthene	mg/kg	0.2	ND
Benzo[g,h,i]perylene	mg/kg	0.2	ND
Benzo[e]pyrene	mg/kg	0.2	ND
Chrysene	mg/kg	0.2	ND
Dibenzo[a,h]anthracene	mg/kg	0.2	ND
Indeno[1,2,3-cd]pyrene	mg/kg	0.2	ND
Acenaphthene	mg/kg	-	ND
Acenaphthylene	mg/kg	-	ND
Anthracene	mg/kg	-	ND
Fluoranthene	mg/kg	-	ND
Fluorene	mg/kg	-	ND
Phenanthrene	mg/kg	-	ND
Pyrene	mg/kg	-	ND
Sum of Acenaphthylene, Acenaphthene, Anthracene, Fluoranthene, Fluorene, Phenanthrene, Pyrene	mg/kg	1	ND
Naphthalene	mg/kg	1	ND
Sum of 18 PAHs	mg/kg	1	ND
<b>Conclusion</b> (Category 1):			<b>Pass</b>

<u>Parameter</u>	<u>Unit</u>	<u>Limit</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>8</u>
Benzo[a]anthracene	mg/kg	0.5	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene(BaP)	mg/kg	0.5	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	mg/kg	0.5	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	mg/kg	0.5	ND	ND	ND	ND	ND	ND	ND
Benzo[j]fluoranthene	mg/kg	0.5	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	mg/kg	0.5	ND	ND	ND	ND	ND	ND	ND
Benzo[e]pyrene	mg/kg	0.5	ND	ND	ND	ND	ND	ND	ND
Chrysene	mg/kg	0.5	ND	ND	ND	ND	ND	ND	ND
Dibenzo[a,h]anthracene	mg/kg	0.5	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	mg/kg	0.5	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	mg/kg	-	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	mg/kg	-	ND	ND	ND	ND	ND	ND	ND
Anthracene	mg/kg	-	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	mg/kg	-	ND	ND	ND	ND	ND	ND	ND
Fluorene	mg/kg	-	ND	ND	0.3	ND	ND	ND	ND
Phenanthrene	mg/kg	-	ND	ND	ND	ND	ND	ND	ND
Pyrene	mg/kg	-	ND	ND	0.2	ND	ND	ND	ND
Sum of Acenaphthylene, Acenaphthene, Anthracene, Fluoranthene, Fluorene, Phenanthrene, Pyrene	mg/kg	10	ND	ND	0.5	ND	ND	ND	ND
Naphthalene	mg/kg	2	0.3	0.4	0.4	ND	ND	0.3	0.3
Sum of 18 PAHs	mg/kg	10	0.3	0.4	0.9	ND	ND	0.3	0.3
<b>Conclusion</b> (Other products per ProdSG):			<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

# Remark(s):

1) RL=0.2mg/kg (Each).

2) Limits of PAH from AfPS (German commission for Product safety) GS PAHs requirements (Unit = mg/kg):

Parameter	Category 1	Category 2		Category 3	
	Materials intended to be put into the mouth or materials of toy for children with long term intended skin contact (longer than 30 s)	Materials not covered by category 1, with foreseeable skin contact for longer than 30 seconds (long-term skin contact) or repeated short-term contact		Materials not covered by Category 1 or 2 with foreseeable skin contact up to 30 seconds (short-term skin contact)	
	-	Toys per 2009/48/EC	Other products per ProdSG	Toys per 2009/48/EC	Other products per ProdSG
Each of Benzo[a]pyrene(BaP), 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, Indeno[1,2,3-cd]pyrene	<0.2	<0.2	<0.5	<0.5	<1
Sum of Acenaphthylene, Acenaphthene, Anthracene, Fluoranthene, Fluorene, Phenanthrene, Pyrene	<1	<5	<10	<20	<50
Naphthalene	<1	<2	<2	<10	<10
Sum of 18 PAHs	<1	<5	<10	<20	<50
Limit: Specific evaluation required according to type of foreseeable use.					

3) Single components with an amount less than 0.2 mg/kg were not considered by the calculation of the sum. In the case of all 18 PAHs were not detected, the result is stated ND.

**\*\*\*End of Report\*\*\***