

**Test Report No.:** 143092018b 002

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**Client:** SHENZHEN SVAVO BATHROOM PRODUCTS CO., LTD.  
No.4 Factory, Xiuwu Industrial Estate, Pingshan Street, Longgang District, Shenzhen**Test item(s):** Plastic with metallic plating, Plastic material**Identification/  
Model No(s):** AUTO SOAP DISPENSER  
MODEL NO.: V-470**Receipt No.:** 00090603157**Sample  
Receiving date:** 03 Jun. 2009**Delivery condition:** Apparent good, Samples tested as received**Test specification:**Customer requirement:  
Polynuclear aromatic hydrocarbons (PAHs)**Test result:**

PASS

**Other Information:**

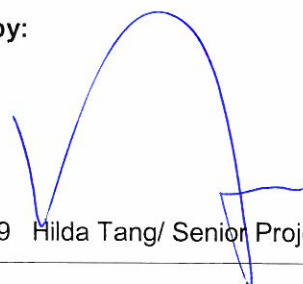
Our reference no. of this report: 143092018b 001

**Checked by:**

22 Jul. 2009 Madeleine Ma/ Senior Project Chemist

Date

Name/Position

**Reviewed by:**

22 Jul. 2009 Hilda Tang/ Senior Project Manager

Date

Name/Position

Test result is drawn according to the kind and extent of tests performed.

This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.

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Test Method: Organic solvent extraction, GC-MS (QMA 36.035.121 HKG)

Testing Period: 04 Jun. 2009 – 08 Jun. 2009

**Material list**Item: AUTO SOAP DISPENSER  
MODEL NO.: V-470

Material No.	Material	Color	Location
1	plastic with metallic plating	silver	refer to photo
2	plastic	black	refer to photo
3	plastic	black	refer to photo

**Test result**

	Test No.	1
	Material No.:	1+2+3
Parameter	Unit	Result
Acenaphthene	mg/kg	<0.2
Acenaphthylene	mg/kg	<0.2
Anthracene	mg/kg	<0.2
Benzo[a]anthracene	mg/kg	<0.2
Benzo[a]pyrene(BaP)	mg/kg	<0.2
Benzo[b]fluoranthene	mg/kg	<0.2
Benzo[k]fluoranthene	mg/kg	<0.2
Benzo[g,h,i]perylene	mg/kg	<0.2
Chrysene	mg/kg	<0.2
Dibenzo[a,h]anthracene	mg/kg	<0.2
Fluoranthene	mg/kg	<0.2
Fluorene	mg/kg	<0.2
Indeno[1,2,3-cd]pyrene	mg/kg	<0.2
Naphthalene	mg/kg	<0.2
Phenanthrene	mg/kg	<0.2
Pyrene	mg/kg	<0.2
Sum PAHs(EPA)	mg/kg	n.d.
Skin contact duration category <sup>2</sup>		3
Summary <sup>2</sup>		Pass

Abbreviation : < denotes less than  
 ≤ denotes less than or equal to  
 n.d. denotes not detect

Determination limit of the test method: &lt; 0.2 mg/kg per PAH component

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Remark :

\*1. Single components with an amount of <0.2 mg/kg were not considered by the calculation of the sum. In the case of all 16 PAHs according to EPA were not detected, the result is stated n.d.

\*2. PAH limits requirement from the GS-Mark Approval

Parameter	Category 1	Category 2	Category 3
	Materials intended to be placed into the mouth, or toys for children aged <36 months with intended skin contact	Materials with foreseeable contact with skin for longer than 30 seconds (long-term skin contact) and toys not covered by category 1.	Materials with foreseeable contact for skin up to 30 seconds (short-term skin contact) or without skin contact
Benzo[a]pyrene [mg/kg]	< 0.2	≤ 1	≤ 20
Sum 16 PAH (EPA) [mg/kg]	< 0.2	≤ 10	≤ 200

Limit: Specific evaluation required according to type of foreseeable use.

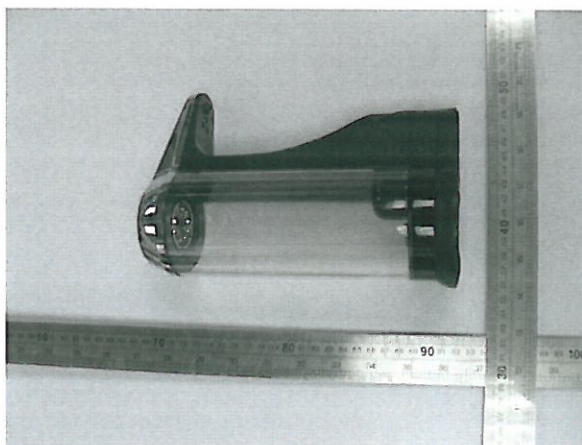
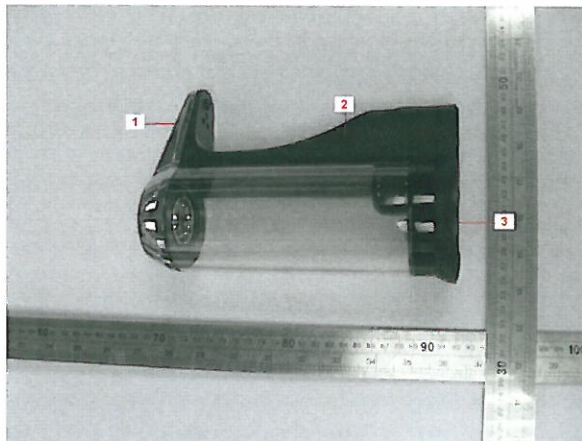
\*3. In the case that the limit of category 1 is exceeded, but fall within the limit of category 2, the proof of suitability for food contact or mucous membrane of the oral cavity contact can be given with an additional specific migration testing of the PAH components according to DIN EN1186ff. and § 64 LFGB 80.30-1 (German Food and Feed Code). The results have to be evaluated according to food law principles.

Testing Laboratory accredited by DAP according to DIN EN ISO/IEC 17025. The accreditation is valid for the test methods stated in the certificate.

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Sample photos:



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