

TEST REPORT

Reference No. : TRHZ1407487(E)

Date : Jul. 29, 2014

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Client : QINGDAO BIN FENG MACHINERY MANUFACTURING CO., LTD.

Address : QINGDAO JIAONAN TAISHAN ROAD NO.575A

The following merchandise was (were) submitted and identified by the client as:

Name of Product : TYRE

Test Model : 4.00-8

May Cover Model : 2.50-4, 3.50-4, 4.00-6, 5.00-6, 3.50-8, 3.00-8, 6.50-8, 8 Inch, 10 Inch, 12 Inch, 16 Inch

Sample Received : Jul. 21, 2014

Test Period : Jul. 21, 2014 - Jul. 28, 2014

Test Request : To determine the Polycyclic Aromatic Hydrocarbons (PAHs) contents of the submitted samples.

Test Method : With reference to ZEK Document 01.4-08, Analysis was performed by GC-MS.

Test Results : Please refer to next page(s).

Conclusion : Based on the analysis on the submitted samples, the test results **comply with** the PAHs requirement according to ZEK 01.4-08 of German ZLS and its amendments.

Issued by:



TÜV NORD (Hangzhou)
Green Product Service Centre
Technical Manager

TÜV NORD (Hangzhou) CO.,LTD.

Member of TÜV NORD Group

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TEST RESULTS:

Test Items	Unit	MDL	Test Results
Naphthalene	mg/kg	0.000032	0.0582
Acenaphthylene		0.000038	0.0292
Acenaphthene		0.00012	0.0694
Fluorene		0.00017	0.00801
Phenanthrene		0.000024	0.00136
Anthracene		0.000026	0.00727
Fluoranthene		0.0000038	0.000757
Pyrene		0.00002	0.00105
Benzo[a]anthracene		0.00005	0.000303
Chrysene		0.000054	0.000203
Benzo[b]fluoranthene		0.0000048	0.116
Benzo[k]fluoranthene		0.00005	0.110
Benzo[a]pyrene		0.000032	0.00180
Indeno[1,2,3-cd]pyren		0.00030	N.D
Dibenzo[a,h]anthracene		0.00028	0.00072
Benzo[g,h,i]perylene		0.000066	0.00123
Benzo[j]fluoranthene		0.000012	0.00139
Benzo[e]pyrene		0.00031	0.0582
Sum of 18 PAHs		---	0.465093

***** To be continued *****

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LIMITS FOR PAH IN PRODUCTS:

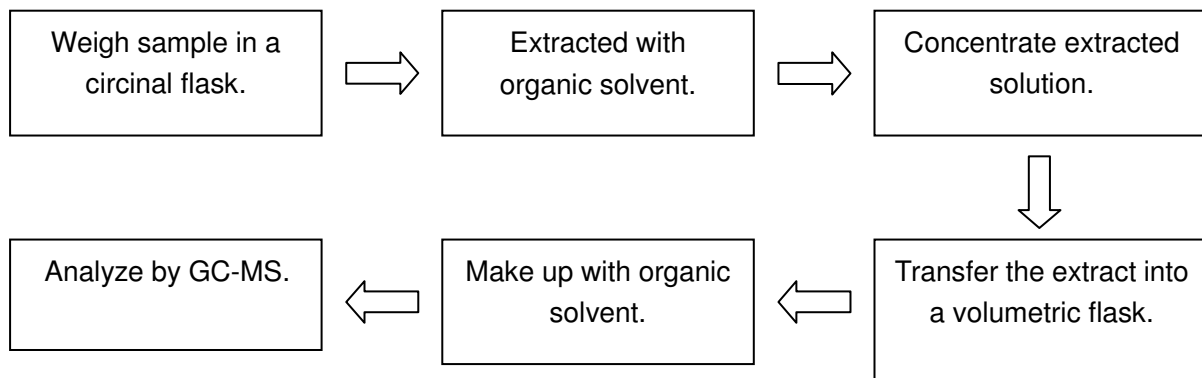
Parameter	Category 1	Category2	Category 3
	Material in contact with foodstuff, or materials indented to be put in the mouth and toys for children aged < 36 months	Materials with foreseeable contact to skin for longer than 30 seconds (long-term skin contact) and toys not covered by category 1	Materials with foreseeable contact to skin up to 30 seconds (short term skin contact) or without skin contact.
Benzo[a]pyrene (mg/kg)	Not detectable (< 0.2)*	1	20
Sum of 18 PAHs(mg/kg)	Not detectable (< 0.2)*	10	200

Remark : * If the limits of category 1 are surpassed but the limits of category 2 still met, the confirmation of suitability of contact with foodstuff or the oral mucosa can be verified by an additional specific migration test of the PAH components according to EN 1186 ff. and § 64 LFBG 80.30-1. The results of the migration test shall be evaluated according to law criteria for foodstuff.

- Note :**
- 1) MDL = Method Detection Limit.
 - 2) N.D. = Not detected, less than MDL.
 - 3) “---” = Not Regulated.

Test part description: Black tyre

FLOW CHART



***** To be continued *****

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SAMPLE PHOTO



***** END OF REPORT *****