

Shenzhen TCD Testing Technology Co.,LTD

Add: 6F,Liansheng Building,Gushu 1 Road,Xixiang Street,Baoan District

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Http://www.tcd-cert.com

Report NO:TCD20160302103015H-1

TEST REPORT

Client company :

Client address :

Manufacturer :

Manufacturer Address :

Report on the submitted samples said to be:

Sample Name : Mobile Power Bank

Trade mark :

Style/ Item No. : Lighthouse 1,Lighthouse 2,Lighthouse 5

Sample Receiving Date : February 26, 2016

Testing Period : February 26, 2016 ~ March 02 , 2016

Results : Please refer to next page(s).

Summary of Test Results:

TEST REQUEST

A The document GS ZEK 01.2-08 issued by the central experience exchange office(ZEK)
on the PAHs content

CONCLUSION

PASS

Signed for and on behalf of TCD

Tested by Rick Lin

Date 2016-03-02

Approved by 

Levis Li
Lab Manager

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Tested part(s):

(1) White plastic

A. The document GS ZEK 01.2-08 issued by the central experience exchange office(ZEK) on the PAHs contentTest method: With reference to GS ZEK 01.2-08,by solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS)

Item	CAS No.	Unit	MDL	Results	Limit (See Remark)		
				(1)	Category 1	Category 2	Category 3
Naphthalene (NAP)	91-20-3	mg/kg	0.2	N.D.	---	---	---
Acenaphthylene (ANY)	208-96-8	mg/kg	0.2	N.D.	---	---	---
Acenaphthene (ANA)	83-32-9	mg/kg	0.2	N.D.	---	---	---
Fluorene (FLU)	86-73-7	mg/kg	0.2	N.D.	---	---	---
Phenanthrene (PHE)	85-01-8	mg/kg	0.2	N.D.	---	---	---
Anthracene (ANT)	120-12-7	mg/kg	0.2	N.D.	---	---	---
Fluoranthene (FLT)	206-44-0	mg/kg	0.2	N.D.	---	---	---
Pyrene (PYR)	129-00-0	mg/kg	0.2	N.D.	---	---	---
Benzo(a)anthracene (BaA)	56-55-3	mg/kg	0.2	N.D.	---	---	---
Chrysene (CHR)	218-01-9	mg/kg	0.2	N.D.	---	---	---
Benzo(b)fluoranthene (BbF)	205-99-2	mg/kg	0.2	N.D.	---	---	---
Benzo(k)fluoranthene (BkF)	207-08-9	mg/kg	0.2	N.D.	---	---	---
Benzo(a)pyrene (BaP)	50-32-8	mg/kg	0.2	N.D.	Not detectable (< 0.2) ¹⁾	< 1	< 20
Indeno(1,2,3-cd)pyrene (IPY)	193-39-5	mg/kg	0.2	N.D.	---	---	---
Dibenzo(a,h)anthracene (DBA)	53-70-3	mg/kg	0.2	N.D.	---	---	---
Benzo(g,h,i)perylene (BPE)	191-24-2	mg/kg	0.2	N.D.	---	---	---
Total content of PAHs	/	mg/kg	/	N.D.	Not detectable (< 0.2) ¹⁾	< 10	< 200
Conclusion	/	/	/	Pass			

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Remark:

Category 1: Materials indented to be put in the mouth or materials of toys for children aged < 36 months with intended skin contact²⁾.

Category 2: Materials not covered by category 1, with foreseeable skin contact for longer than 30 seconds (long-term skin contact).

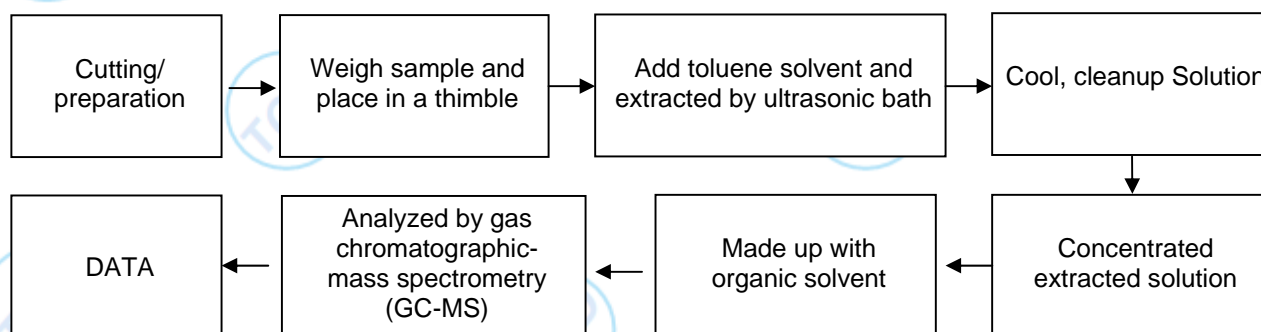
Category 3: Materials not covered by category 1 or 2 with foreseeable skin contact up to 30 seconds (short term skin contact).

Note:

- N.D. = Not Detected or less than MDL
- MDL = Method Detection Limit
- mg/kg = ppm
- --- = Not Regulated
- ¹⁾ 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.
- ²⁾ According to the regulations the EK2.
- In the sum of all 16 PAH according to EPA only toes components are take into account, which have been specified in the material over the 0.2mg/kg.
- Flow chart appendix is included.
- Photo appendix is included.

Appendix

Test Flow Chart for PAHs content:



Photograph of Sample



TCD authenticate the photo on original report only

*** End of Report ***