

**Report No.:** Z138011321

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**Client:** SHENZHEN MEILIGAO ELECTRONICS CO., LTD.

6/F, Cafu Plaza (Sheraton Hotel), No. 5, Guihua Rd., Futian Free Trade Zone, Shenzhen, P. R. China

**Test item(s):** 3 materials

**Identification/  
Model No(s):** GPS TRACKER  
GT30i, GT60, MT80i, MT88, MT90, P33, P50, P55, P66,P99, TC68, TC68S

**Sample Receiving date:** 2013-01-29

**Testing Period:** 2013-01-29 - 2013-01-31

**Test Specification:**

**Test result:**

1. Polycyclic aromatic hydrocarbons (PAHs)-ZEK 01.4-08

PASS

**Other information:**

According to customer's requirement, only the appointed materials have been tested.

For and on behalf of  
TÜV Rheinland (ShenZhen) Ltd.



2013-02-01 Aaron Zhou / Assistant 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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**Material List:**

Item: GPS TRACKER  
GT30i, GT60, MT80i, MT88, MT90, P33, P50, P55, P66,P99, TC68, TC68S

Material No.	Material	Color	Location
M001	Plastic	Black	Shell
M002	Plastic + coating	Black/ orange	Button
M003	Plastic	Orange	Soft plug



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**1. Polycyclic aromatic hydrocarbons (PAHs)**

Test Method: ZEK 01.4-08

**Test Result:**

				Test No.	T001
				Material No.	M001 + M002 + M003
Test Parameter	CAS NO	Unit	RL	Result	
Acenaphthene	83-32-9	mg/kg	0.2	n.d.	
Acenaphthylene	208-96-8	mg/kg	0.2	n.d.	
Anthracene	120-12-7	mg/kg	0.2	n.d.	
Benzo[a]anthracene	56-55-3	mg/kg	0.2	n.d.	
Benzo[a]pyrene(BaP)	50-32-8	mg/kg	0.2	n.d.	
Benzo[b]fluoranthene	205-99-2	mg/kg	0.2	n.d.	
Benzo[k]fluoranthene	207-08-9	mg/kg	0.2	n.d.	
Benzo[j]fluoranthene	205-82-3	mg/kg	0.2	n.d.	
Benzo[g,h,i]perylene	191-24-2	mg/kg	0.2	n.d.	
Benzo[e]pyrene	192-97-2	mg/kg	0.2	n.d.	
Chrysene	218-01-9	mg/kg	0.2	n.d.	
Dibenzo[a,h]anthracene	53-70-3	mg/kg	0.2	n.d.	
Fluoranthene	206-44-0	mg/kg	0.2	n.d.	
Fluorene	86-73-7	mg/kg	0.2	n.d.	
Indeno[1,2,3-cd]pyrene	193-39-5	mg/kg	0.2	n.d.	
Naphthalene	91-20-3	mg/kg	0.2	0.3	
Phenanthrene	85-01-8	mg/kg	0.2	n.d.	
Pyrene	129-00-0	mg/kg	0.2	0.2	
Sum PAHs	NA	mg/kg	NA	0.5	
Category*	NA	NA	NA	2	
Limit of Benzo[a]pyrene(BaP)	50-32-8	mg/kg	NA	1	
Limit of Sum PAHs	NA	mg/kg	NA	10	

**Abbreviation:** n.d. = not detected (< Reporting Limit)  
 RL = Reporting Limit  
 NA = Not Applicable  
 mg/kg = milligram per kilogram



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**Remark:**

- \* Single components with an amount of <0.2 mg/kg were not considered by the calculation of the sum. In the case of all 18 PAHs according to ZEK 01.4-08 were not detected, the result is stated n.d.
- \*\* PAH maximum permissible limits requirement from the GS-Mark Approval

Parameter	Category 1	Category 2	Category 3
	Materials intended to be put into the mouth, or toy materials for children aged <36 months with intended skin contact	Materials, which is not falling into Cat. 1, with foreseeable skin contact longer than 30 seconds (long-term skin contact)	Materials, which is not falling into Cat. 1 or Cat. 2, with foreseeable skin contact up to 30 seconds (short-term skin contact)
Benzo(a)pyrene (mg/kg)	<0.2	1	20
Sum 18 PAH (ZEK 01.4-08) (mg/kg)	< 0.2	10	200

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



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Sample Photo



- END -

