



中国认可  
国际互认  
检测  
TESTING  
CNAS L0446

GRGTEST

# TEST REPORT

CheckCode:960082

Report

No.:C202202091295-4E-G1

**Applicant:** Lumi United Technology Co., Ltd.  
**Address:** Room 801-804, Building 1, Chongwen Park, Nanshan iPark, No.3370, Liuxian Avenue, Fuguang Community, Taoyuan Residential District, Nanshan District, Shenzhen, China

**The following sample information was submitted and identified by/on the behalf of the client**

**Name:** Hub M1S Gen 2  
**Specifications:** HM1S-G02  
**Sample State:** Normal

**Date of Receipt:** Feb.10, 2022  
**Test Period:** Feb.10, 2022 – Mar.14, 2022  
Mar.8, 2022

**Test Request:** As specified by client, to determine Polycyclic Aromatic Hydrocarbons (PAHs) content in the submitted sample.

**Judge Standard:** AfPS GS 2019:01 PAK

**Test Result:** Please refer to following page(s).

**Conclusion:** Based on the performed test on submitted sample, the result(s) comply with the limits as set by AfPS GS 2019:01 PAK.

Edited by Chen Jiaying Reviewed by Zheng Xiaojing Approved by Yan Honglian



扫一扫 验真伪

Seal of:

**GUANGZHOU GRG METROLOGY & TEST CO., LTD.**

Issue date: Mar.18, 2022

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**GUANGZHOU GRG METROLOGY & TEST CO., LTD.**

Address: No.31 Nanxiang Second Road, Science City, Huangpu District, Guangzhou, China

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## Sample description:

Sample No.	Description
1	White plastic shell
2	White adhesive plastic sheet with black printing
3	White rubber part
4	White plastic part
5	White plastic cover with grey printing
6	White plastic part
7	White plastic shell
8	White translucent plastic ring
9	White plastic part

## Test result(s):

Test method: With reference to AfPS GS 2019:01 PAK, analysis was performed by GC-MS.

No.	Test Item	CAS No.	Sample			Unit	MDL
			1	2	3		
1	Naphthalene	91-20-3	N.D.	N.D.	N.D.	mg/kg	0.2
2	Phenanthrene	85-01-8	N.D.	N.D.	N.D.	mg/kg	0.2
3	Anthracene	120-12-7	N.D.	N.D.	N.D.	mg/kg	0.2
4	Fluoranthene	206-44-0	N.D.	N.D.	N.D.	mg/kg	0.2
5	Pyrene	129-00-0	N.D.	N.D.	N.D.	mg/kg	0.2
6	Benzo[a]anthracene	56-55-3	N.D.	N.D.	N.D.	mg/kg	0.2
7	Chrysene	218-01-9	N.D.	N.D.	N.D.	mg/kg	0.2
8	Benzo[b]fluoranthene	205-99-2	N.D.	N.D.	N.D.	mg/kg	0.2
9	Benzo[j]fluoranthene	205-82-3	N.D.	N.D.	N.D.	mg/kg	0.2
10	Benzo[k]fluoranthene	207-08-9	N.D.	N.D.	N.D.	mg/kg	0.2
11	Benzo[e]pyrene	192-97-2	N.D.	N.D.	N.D.	mg/kg	0.2
12	Benzo[a]pyrene	50-32-8	N.D.	N.D.	N.D.	mg/kg	0.2
13	Indeno[1,2,3-cd]pyrene	193-39-5	N.D.	N.D.	N.D.	mg/kg	0.2
14	Dibenzo[a,h]anthracene	53-70-3	N.D.	N.D.	N.D.	mg/kg	0.2
15	Benzo[g,h,i]perylene	191-24-2	N.D.	N.D.	N.D.	mg/kg	0.2

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No.	Test Item	CAS No.	Sample			Unit	MDL
			1	2	3		
<b>Sum of No. 2 to No. 5 of listed PAHs</b>		---	N.D.	N.D.	N.D.	mg/kg	---
<b>Sum of 15 PAHs</b>		---	N.D.	N.D.	N.D.	mg/kg	---

No.	Test Item	CAS No.	Sample			Unit	MDL
			4	5	6		
1	Naphthalene	91-20-3	N.D.	N.D.	N.D.	mg/kg	0.2
2	Phenanthrene	85-01-8	N.D.	N.D.	N.D.	mg/kg	0.2
3	Anthracene	120-12-7	N.D.	N.D.	N.D.	mg/kg	0.2
4	Fluoranthene	206-44-0	N.D.	N.D.	N.D.	mg/kg	0.2
5	Pyrene	129-00-0	N.D.	N.D.	N.D.	mg/kg	0.2
6	Benzo[a]anthracene	56-55-3	N.D.	N.D.	N.D.	mg/kg	0.2
7	Chrysene	218-01-9	N.D.	N.D.	N.D.	mg/kg	0.2
8	Benzo[b]fluoranthene	205-99-2	N.D.	N.D.	N.D.	mg/kg	0.2
9	Benzo[j]fluoranthene	205-82-3	N.D.	N.D.	N.D.	mg/kg	0.2
10	Benzo[k]fluoranthene	207-08-9	N.D.	N.D.	N.D.	mg/kg	0.2
11	Benzo[e]pyrene	192-97-2	N.D.	N.D.	N.D.	mg/kg	0.2
12	Benzo[a]pyrene	50-32-8	N.D.	N.D.	N.D.	mg/kg	0.2
13	Indeno[1,2,3-cd]pyrene	193-39-5	N.D.	N.D.	N.D.	mg/kg	0.2
14	Dibenzo[a,h]anthracene	53-70-3	N.D.	N.D.	N.D.	mg/kg	0.2
15	Benzo[g,h,i]perylene	191-24-2	N.D.	N.D.	N.D.	mg/kg	0.2
<b>Sum of No. 2 to No. 5 of listed PAHs</b>		---	N.D.	N.D.	N.D.	mg/kg	---
<b>Sum of 15 PAHs</b>		---	N.D.	N.D.	N.D.	mg/kg	---

No.	Test Item	CAS No.	Sample			Unit	MDL
			7	8	9		
1	Naphthalene	91-20-3	N.D.	N.D.	N.D.	mg/kg	0.2
2	Phenanthrene	85-01-8	N.D.	N.D.	N.D.	mg/kg	0.2
3	Anthracene	120-12-7	N.D.	N.D.	N.D.	mg/kg	0.2
4	Fluoranthene	206-44-0	N.D.	N.D.	N.D.	mg/kg	0.2
5	Pyrene	129-00-0	N.D.	N.D.	N.D.	mg/kg	0.2

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No.	Test Item	CAS No.	Sample			Unit	MDL
			7	8	9		
6	Benzo[a]anthracene	56-55-3	N.D.	N.D.	N.D.	mg/kg	0.2
7	Chrysene	218-01-9	N.D.	N.D.	N.D.	mg/kg	0.2
8	Benzo[b]fluoranthene	205-99-2	N.D.	N.D.	N.D.	mg/kg	0.2
9	Benzo[j]fluoranthene	205-82-3	N.D.	N.D.	N.D.	mg/kg	0.2
10	Benzo[k]fluoranthene	207-08-9	N.D.	N.D.	N.D.	mg/kg	0.2
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15	Benzo[g,h,i]perylene	191-24-2	N.D.	N.D.	N.D.	mg/kg	0.2
<b>Sum of No. 2 to No. 5 of listed PAHs</b>		---	N.D.	N.D.	N.D.	mg/kg	---
<b>Sum of 15 PAHs</b>		---	N.D.	N.D.	N.D.	mg/kg	---

Remark: 1) mg/kg = ppm  
 2) MDL= Method Detection Limit  
 3) "N.D." = Not Detected (Below method detection limit)  
 4) Limit = Category 3 (Other Consumer Products)  
 5) As the No.2 were insufficient, the test result(s) was /were based on sample resubmitted 2022-03-08.  
 6) The performed tests on selected parts of submitted sample(s) as requested by client.  
 7) Test report C202202091295-4E -G1 is a modification of test report C202202091295-4E.  
 On the basis of the original report, Name " M1S Gen 2" in sample information on page 1 was corrected to " Hub M1S Gen 2", and original report C202202091295-4E was cancelled.



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**Limit:**

Parameter	Category 1	Category 2		Category 3	
	Materials intended to be placed in the mouth, or materials coming into long-term contact with skin (more than 30s) during the intended use - in toys according to Directive 2009/48/EC or - for the use by children up to 3 years of age	Materials not covered by category 1, coming into long-term contact (more than 30s) or short-term repetitive contact with skin during the intended or foreseeable use	Use by children(< 14 years) includes both active and passive direct contact	Other Consumer Products	Use by children(< 14 years) includes both active and passive direct contact
Benzo[a]pyrene (mg/kg)	< 0.2	< 0.2	<0.5	<0.5	<1
Benzo[e]pyrene (mg/kg)	< 0.2	< 0.2	<0.5	<0.5	<1
Benzo[a]anthracene (mg/kg)	< 0.2	< 0.2	<0.5	<0.5	<1
Benzo[b]fluoranthene (mg/kg)	< 0.2	< 0.2	<0.5	<0.5	<1
Benzo[j]fluoranthene (mg/kg)	< 0.2	< 0.2	<0.5	<0.5	<1

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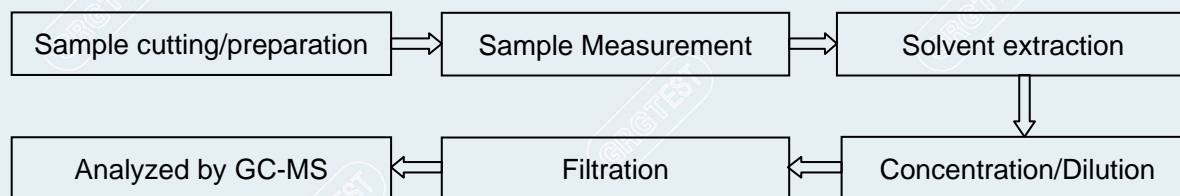
CheckCode:960082

Report

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Parameter	Category 1	Category 2		Category 3	
Benzo[k]fluoranthene (mg/kg)	< 0.2	< 0.2	<0.5	<0.5	<1
Chrysene (mg/kg)	< 0.2	< 0.2	<0.5	<0.5	<1
Dibenzo[a,h]anthracene (mg/kg)	< 0.2	< 0.2	<0.5	<0.5	<1
Benzo[g,h,i]perylene (mg/kg)	< 0.2	< 0.2	<0.5	<0.5	<1
Indeno[1,2,3 cd]pyrene (mg/kg)	< 0.2	< 0.2	<0.5	<0.5	<1
Phenanthrene Pyrene Anthracene Fluoranthene (mg/kg)	<1 sum	<5 sum	<10 sum	<20 sum	<50 sum
Naphthalene (mg/kg)	<1	<2		<10	
Sum 15 PAHs (mg/kg)	<1	<5	<10	<20	<50

Test Process for PAHs.



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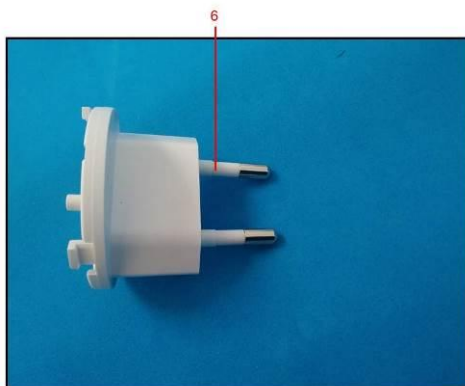
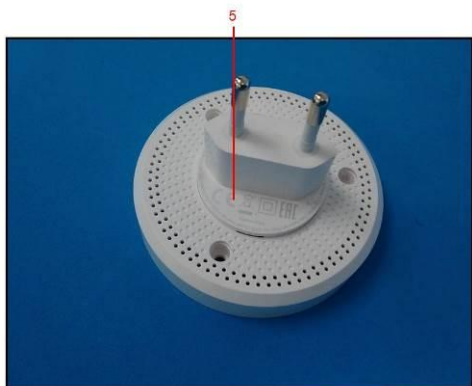
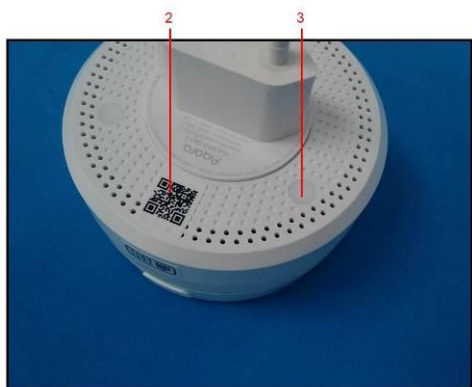
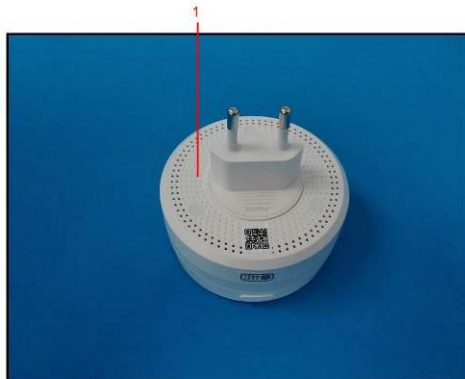
# TEST REPORT

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## Photo of Sample



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-----End of Report-----