



**Technical Report No. 68.167.15.0690.01**  
**Dated 2015-12-01**

Client: Wuxi Sans Electronic Co., Ltd.

Address: Industrial WuYi, DongGang Town, Wuxi City, Jiangsu Province, China

Attn.: Du maoxin

Sample Description: Parts of Li-ion Battery Charger

Model No.: SSLC084V42J, SSLC058V29J

Sample Receive Date: 2015-11-24

Test Period: From 2015-11-24 to 2015-11-27

Test Requested: Polycyclic Aromatic Hydrocarbons (PAHs) Content

Test Result: Refer to following page(s)



Remark: -The result relates only to the items tested.

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1 TESTED SUBJECT DESCRIPTION

| Sample Number | Item Name | Tested Material Description | Photo   |
|---------------|-----------|-----------------------------|---|
| 001           | Shell     | Black plastic               |  |
| 002           | Foot      | Black soft plastic          |  |

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2 TEST RESULT

2.1 POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) CONTENT TEST

Test method: With reference to AfPS GS 2014:01 PAK, extracted by toluene and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting limit: 0.10 mg/kg]

| No.  | Test Item               | Result [mg/kg]   |               | Permissible Limit<br>Category III<br>(All other products<br>acc to ProdSG)<br>[mg/kg] |
|--|-------------------------|--|---------------|---|
|  |                         | Sample<br>001  | Sample<br>002 |   |
| 1  | Naphthalene             | 0.39   | <0.10         | < 10.00   |
| 2  | Acenaphthylene          | <0.10  | <0.10         | Sum < 50.00   |
| 3  | Acenaphthene            | <0.10  | <0.10         |   |
| 4  | Fluorene                | <0.10  | <0.10         |   |
| 5  | Phenanthrene            | 0.19   | 0.65          |   |
| 6  | Anthracene              | <0.10  | <0.10         |   |
| 7  | Fluoranthene            | <0.10  | <0.10         |   |
| 8  | Pyrene                  | 0.15   | <0.10         |   |
| 9  | Benzo[a]anthracene      | <0.10  | <0.10         |   |
| 10   | Chrysene                | <0.10  | <0.10         | <1.00   |
| 11   | Benzo[b]fluoranthene    | <0.10  | <0.10         | <1.00   |
| 12   | Benzo[j]fluoranthene    | <0.10  | <0.10         | <1.00   |
| 13   | Benzo[k]fluoranthene    | <0.10  | <0.10         | <1.00   |
| 14   | Benzo[a]pyrene          | <0.10  | <0.10         | <1.00   |
| 15   | Benzo[e]pyrene          | <0.10  | <0.10         | <1.00   |
| 16   | Benzo[g,h,i]perylene    | <0.10  | <0.10         | <1.00   |
| 17   | Dibenzo[a,h]anthracene  | <0.10  | <0.10         | <1.00   |
| 18   | Indeno[1,2,3-c,d]pyrene | <0.10  | <0.10         | <1.00   |
| <b>Sum of Detected 18 PAHs</b>                   |                         | 0.73   | 0.65          | < 50.00   |
| <b>Category according to AfPS GS 2014:01 PAK</b> |                         | <b>Category III<br/>(All other products acc to ProdSG)</b> |               |   |
| <b>Conclusion</b>                                |                         | <b>Pass</b>  | <b>Pass</b>   |   |

Note:

- "mg/kg" denotes milligram per kilogram
- "<" denotes less than



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**3 REMARK**

Requirement of AfPS GS 2014:01 PAK: Restraining maximum values for products

| Parameter<br>(unit: mg/kg)  | Category 1 | Category 2  |   | Category 3                       |                                  |  |
|---|------------|---|---|----------------------------------|----------------------------------|--|
|   |            | Materials indented to be put in the mouth, or materials of toys with intended long term skin contact (>30s) | Materials not covered by category 1, with foreseeable skin contact for longer than 30 s (long-term skin contact) or repeated short term skin contact* | Toys acc to directive 2009/48/EC | All other products acc to ProdSG | Materials not covered by category 1 or 2 with foreseeable skin contact up to 30s (short term skin contact) |
| Benzo[a]pyrene  | <0.2       | <0.2  | <0.5  | <0.5                             | <1                               |  |
| Benzo[e]pyrene  | <0.2       | <0.2  | <0.5  | <0.5                             | <1                               |  |
| Benzo[a]anthracene  | <0.2       | <0.2  | <0.5  | <0.5                             | <1                               |  |
| Benzo[b]fluoranthene  | <0.2       | <0.2  | <0.5  | <0.5                             | <1                               |  |
| Benzo[j]fluoranthene  | <0.2       | <0.2  | <0.5  | <0.5                             | <1                               |  |
| Benzo[k]fluoranthene  | <0.2       | <0.2  | <0.5  | <0.5                             | <1                               |  |
| Chrysene  | <0.2       | <0.2  | <0.5  | <0.5                             | <1                               |  |
| Dibenzo[a,h]anthracene  | <0.2       | <0.2  | <0.5  | <0.5                             | <1                               |  |
| Benzo[ghi]perylene  | <0.2       | <0.2  | <0.5  | <0.5                             | <1                               |  |
| Indeno[1,2,3-cd]pyrene  | <0.2       | <0.2  | <0.5  | <0.5                             | <1                               |  |
| Acenaphthylene,<br>Acenaphthene,<br>Fluorene,<br>Phenanthrene,<br>Pyrene,<br>Anthracene,<br>Fluoranthene, | sum <1     | sum <5  | sum <10   | sum <20                          | sum <50                          |  |
| Naphthaline   | <1         | <2  | <10   | <10                              | <50                              |  |
| Sum 18 PAHs   | <1         | <5  | <10   | <20                              | <50                              |  |

\* Definition: short-term repetitive contact with the human skin from "REACH Annex XVII Nr. 50 amendment (COMMISSION REGULATION (EU) No 1272/2013)"

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