

231500024598
26-Nov-2015
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TEST REPORT

Applicant :

Sample Name : Utility knife

Sample Quantity : Three pieces

Received Date : 2015-11-19

Test Date : 2015-11-19~2015-11-25

Test Method : 1) PAHs: Content of 18 PAHS (Polycyclic Aromatic Hydrocarbons)

Test with reference to AfPS GS 2014:01 PAK

2) Cadmium: The sample was treated with BS EN 1122:2001, and tested by
ICP-AES.

Conclusion: Pass

Authorized Signatory:



Nº 0030839

宁波中盛产品检测公司
Ningbo Joysun Testing Service Company



Material list

Item: Utility knife

| Material No. | Material | Location |
|--------------|-------------------|----------------|
| 1 | Black plastic | Refer to photo |
| 2 | Dark blue plastic | Refer to photo |
| 3 | Black rubber | Refer to photo |
| 4 | Blade | Refer to photo |
| 5 | Screw | Refer to photo |
| 6 | The metal holder | Refer to photo |
| 7 | Metallic gasket | Refer to photo |



Test Result:

1) The test result of Cadmium

Test Method: Refer to EN1122:2001 method B

| Material No. | Parameter | Unit | Limit | RL | Test Result |
|--------------|-------------|-------|-------|----|-------------|
| 1 | Cadmium(Cd) | mg/kg | 100 | 10 | n.d. |
| 2 | Cadmium(Cd) | mg/kg | 100 | 10 | n.d. |
| 3 | Cadmium(Cd) | mg/kg | 100 | 10 | n.d. |
| 4 | Cadmium(Cd) | mg/kg | 100 | 10 | n.d. |
| 5 | Cadmium(Cd) | mg/kg | 100 | 10 | n.d. |
| 6 | Cadmium(Cd) | mg/kg | 100 | 10 | n.d. |
| 7 | Cadmium(Cd) | mg/kg | 100 | 10 | n.d. |

Remark:

1. "n.d." means not detected(<Reporting Limit)
2. "RL" means Reporting Limit
3. We are only responsible for the sample delivered by the applicant.



2) The test result of PAHs

Test method: According to GS Specification-Testing and Evaluation of Polycyclic Aromatic Hydrocarbons(PAH)for the Award of the GS Mark,by the Committee for Product Safety(AfPS),dated August 4th 2014

| Material No. | | | | 1 | 2 | 3 |
|---|----------|-------|--------|--------|--------|--------|
| Test Item | CAS NO | Unit | M.D.L. | Result | Result | Result |
| Naphthalene | 91-20-3 | mg/kg | 0.2 | N.D. | N.D. | N.D. |
| Acenaphthylene | 208-96-8 | mg/kg | 0.2 | N.D. | N.D. | N.D. |
| Acenaphthene | 83-32-9 | mg/kg | 0.2 | N.D. | N.D. | N.D. |
| Fluorene | 86-73-7 | mg/kg | 0.2 | N.D. | N.D. | N.D. |
| Phenanthrene | 85-01-8 | mg/kg | 0.2 | N.D. | N.D. | N.D. |
| Anthracene | 120-12-7 | mg/kg | 0.2 | N.D. | N.D. | N.D. |
| Fluoranthene | 206-44-0 | mg/kg | 0.2 | N.D. | N.D. | N.D. |
| Pyrene | 129-00-0 | mg/kg | 0.2 | N.D. | N.D. | N.D. |
| Benzo[a]anthracene | 56-55-3 | mg/kg | 0.2 | N.D. | N.D. | N.D. |
| Chrysene | 218-01-9 | mg/kg | 0.2 | N.D. | N.D. | N.D. |
| Benzo[b]fluoranthene | 205-99-2 | mg/kg | 0.2 | N.D. | N.D. | N.D. |
| Benzo[k]fluoranthene | 207-08-9 | mg/kg | 0.2 | N.D. | N.D. | N.D. |
| Benzo[a]pyrene | 50-32-8 | mg/kg | 0.2 | N.D. | N.D. | N.D. |
| Indeno[1,2,3-cd]pyrene | 193-39-5 | mg/kg | 0.2 | N.D. | N.D. | N.D. |
| Dibenzo[a,h]anthracene | 53-70-3 | mg/kg | 0.2 | N.D. | N.D. | N.D. |
| Benzo[g,h,i]perylene | 191-24-2 | mg/kg | 0.2 | N.D. | N.D. | N.D. |
| Benzo[j]fluoranthene | 205-82-3 | mg/kg | 0.2 | N.D. | N.D. | N.D. |
| Benzo[e]pyrene | 192-97-2 | mg/kg | 0.2 | N.D. | N.D. | N.D. |
| Sum of Acenaphthylene, Acenaphthene,Anthracene, Fluoranthene,Fluorene, Phenanthrene,Pyrene | -- | mg/kg | -- | N.D. | N.D. | N.D. |
| Sum of 18 PAHs | -- | mg/kg | -- | N.D. | N.D. | N.D. |
| ,Category* | -- | | -- | 2 | 2 | 2 |



Remark:

1. N.D.: Not Detected, less than Method Detection Limit.

2. M.D.L.: Method Detection Limit.

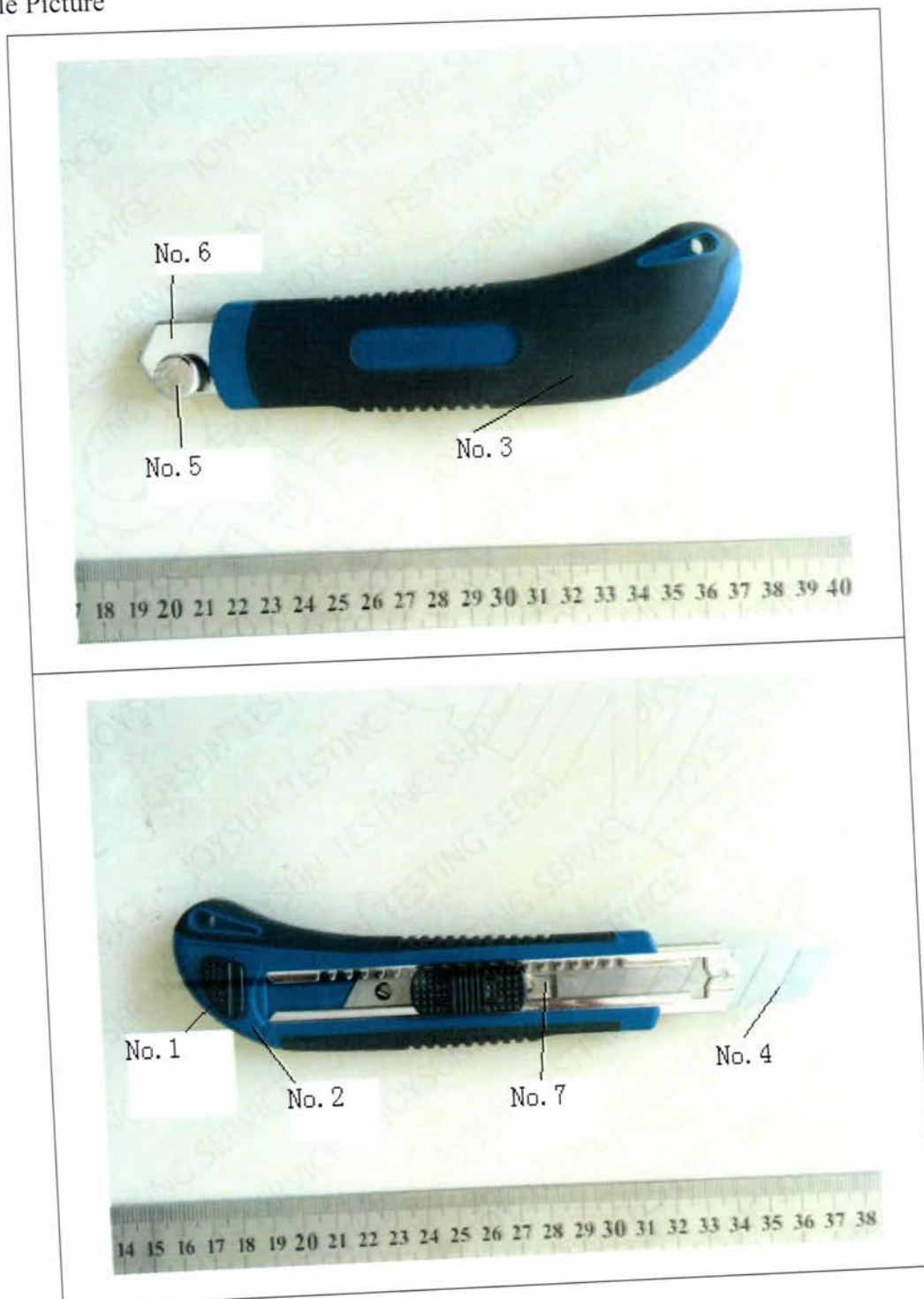
3. We are only responsible for the sample delivered by the applicant.

*PAH maximum permissible limits requirement from the GS-Mark Approval published by the German Federal Institute for Occupational Safety and Health (BAuA)

| Parameter | Unit | Category 1 | Category 2 | | Category 3 | |
|--|-------|--|--|------------------------------------|--|------------------------------------|
| | | Materials intended to be put into the mouth or materials of toys for children with long term intended skin contact (longer than 30s) | Materials not covered by category 1, with foreseeable long term skin contact (longer than 30s) or repeated short-term skin contact | | Materials not covered by category 1 or 2, with foreseeable short term contact (shorter than 30s) | |
| | | – | Toys according to directive 2009/48/EC | Other products according to ProdSG | Toys according to directive 2009/48/EC | Other products according to ProdSG |
| Benzo[a]pyrene (BaP) | 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 |
| 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-c,d)pyrene | mg/kg | <0.2 | <0.2 | <0.5 | <0.5 | <1 |
| Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene | mg/kg | <1 | <5 | <10 | <20 | <50 |
| Naphthalene | mg/kg | <1 | <2 | <2 | <10 | <10 |
| Sum of 18 PAHs | mg/kg | <1 | <5 | <10 | <20 | <50 |



Sample Picture



*** END ***