

## Test Report

No.: CKGEC25000123129

Date: Feb 17, 2025

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Client Name: HUBEI NEW HUAGUANG INFORMATION MATERIALS CO.LTD.

Client Address: NO.67,CHANG HONG NORTH ROAD,XIANGYANGCITY,HUBEI PROVINCE

Sample Name: H-ZK20

Lot No.: 3041190328

The above sample(s) and information were provided by the client.

SGS Job No.: CQP25-001025

Sample Receiving Date: Feb 10, 2025

Testing Period: Feb 10, 2025 ~ Feb 17, 2025

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

| Test Requirement  | Conclusion |
|---|------------|
| EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) | Pass       |

Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Chongqing) Co., Ltd.

*Amber Xu*

Amber Xu  
Approved Signatory

Scan to see the report



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Chemical Laboratory

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### Test Result(s):

#### Test Part Description:

| SN ID | Sample No. | SGS Sample ID           | Description                 |
|-------|------------|-------------------------|-----------------------------|
| SN1   | A7         | CKG25-0001231-0001.C007 | Colorless transparent glass |

#### Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

**EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)**

**Test Method:** With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017 and IEC 62321-12:2023, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

| Test Item(s)                              | Limit | Unit(s) | MDL | A7 |
|---|-------|---------|-----|----|
| Lead (Pb)                                 | 1000  | mg/kg   | 2   | ND |
| Mercury (Hg)                              | 1000  | mg/kg   | 2   | ND |
| Cadmium (Cd)                              | 100   | mg/kg   | 2   | ND |
| Hexavalent Chromium (Cr(VI))              | 1000  | mg/kg   | 8   | ND |
| Polybrominated biphenyls (PBB)            | 1000  | mg/kg   | -   | ND |
| Monobrominated biphenyl (MonoBB)          | -     | mg/kg   | 25  | ND |
| Dibrominated biphenyl (DiBB)              | -     | mg/kg   | 25  | ND |
| Tribrominated biphenyl (TriBB)            | -     | mg/kg   | 25  | ND |
| Tetrabrominated biphenyl (TetraBB)        | -     | mg/kg   | 25  | ND |
| Pentabrominated biphenyl (PentaBB)        | -     | mg/kg   | 25  | ND |
| Hexabrominated biphenyl (HexaBB)          | -     | mg/kg   | 25  | ND |
| Heptabrominated biphenyl (HeptaBB)        | -     | mg/kg   | 25  | ND |
| Octabrominated biphenyl (OctaBB)          | -     | mg/kg   | 25  | ND |
| Nonabrominated biphenyl (NonaBB)          | -     | mg/kg   | 25  | ND |
| Decabrominated biphenyl (DecaBB)          | -     | mg/kg   | 25  | ND |
| Polybrominated diphenyl ethers (PBDE)     | 1000  | mg/kg   | -   | ND |
| Monobrominated diphenyl ether (MonoBDE)   | -     | mg/kg   | 25  | ND |
| Dibrominated diphenyl ether (DiBDE)       | -     | mg/kg   | 25  | ND |
| Tribrominated diphenyl ether (TriBDE)     | -     | mg/kg   | 25  | ND |
| Tetrabrominated diphenyl ether (TetraBDE) | -     | mg/kg   | 25  | ND |
| Pentabrominated diphenyl ether (PentaBDE) | -     | mg/kg   | 25  | ND |
| Hexabrominated diphenyl ether (HexaBDE)   | -     | mg/kg   | 25  | ND |
| Heptabrominated diphenyl ether (HeptaBDE) | -     | mg/kg   | 25  | ND |



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SGS-TESTING Technical Services (Shanghai) Co., Ltd.  
 Chemical Laboratory

Liangling Industrial Park, No.37, Cuitao Road, Yubei District, Chongqing, China 401120  
 中国·重庆·渝北区翠桃路37号(凉井工业园) 邮编: 401120

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| Test Item(s)                            | Limit | Unit(s) | MDL | A7 |
|---|-------|---------|-----|----|
| Octabrominated diphenyl ether (OctaBDE) | -     | mg/kg   | 25  | ND |
| Nonabrominated diphenyl ether (NonaBDE) | -     | mg/kg   | 25  | ND |
| Decabrominated diphenyl ether (DecaBDE) | -     | mg/kg   | 25  | ND |
| Bis(2-ethylhexyl) phthalate (DEHP)      | 1000  | mg/kg   | 50  | ND |
| Butyl benzyl phthalate (BBP)            | 1000  | mg/kg   | 50  | ND |
| Dibutyl Phthalate (DBP)                 | 1000  | mg/kg   | 50  | ND |
| Diisobutyl Phthalate (DIBP)             | 1000  | mg/kg   | 50  | ND |

### Notes:

- (1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
- (2) IEC 62321 series is equivalent to EN 62321 series.
- (3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ( $w=0$ ) stated in ILAC-G8:09/2019.



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Chemical Laboratory

Liangjing Industrial Park, No.37, Cuitao Road, Yubei District, Chongqing, China 401120  
中国·重庆·渝北区翠桃路37号(凉井工业园) 邮编: 401120

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#### Elements Testing Flow Chart

These samples were dissolved totally by pre-conditioning method according to below flow chart.



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Chemical Laboratory

Liangling Industrial Park, No.37, Cuitao Road, Yubei District, Chongqing, China 401120  
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### ATTACHMENTS

### Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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### PBB/PBDE/Phthalates Testing Flow Chart



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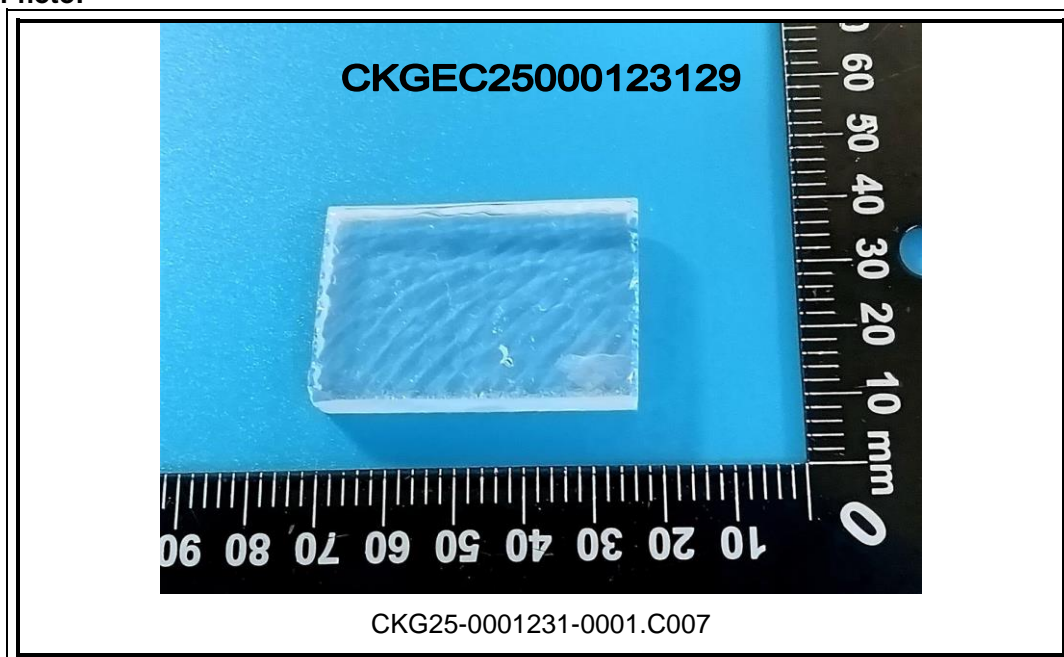
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Sample Photo:



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