

No. SZXEC2102170201

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Date: 15 Jul 2021
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Page 1 of 6

WTL INTERNATIONAL LIMITED

ROOM203, UNIT A, BLOCK 7, D&J INNOVATION PARK PHASE 2, NO.73 XIALI SOUTH ROAD, LONGGANG DISTRICT, SHENZHEN, CHINA

| The following sample(s) was/were submitted and identified on behalf of the clients as : SMD 3225 Crystal | | | | |
|--|--|--|--|--|
| SGS Job No. : | RP21-016335 - SZ | | | |
| Client Ref. Info. : | Crystal:1.2*1.0,1.6*1.2,2.0*1.6,2.5*2.0,3.2*2.5,5.0*3.2,6.0*3.5, | | | |
| | 7.0*5.0,3.2*1.5,2.0*1.2,1.6*1.0,Crystal Filter:7.0*5.0 | | | |
| Date of Sample Received : | 12 Jul 2021 | | | |
| Testing Period : | 12 Jul 2021 - 15 Jul 2021 | | | |
| Test Requested : | Selected test(s) as requested by client. | | | |
| Test Method : | Please refer to next page(s). | | | |
| Test Results : | Please refer to next page(s). | | | |
| Conclusion : | Based on the performed tests on submitted sample(s), the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP), and Diisobutyl phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU. | | | |

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Andy Ni Approved Signatory





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No. SZXEC2102170201

Page 2 of 6

Test Results :

Test Part Description :

| Specimen No. | SGS Sample ID | Description |
|--------------|------------------|--------------------|
| SN1 | SZX21-021702.001 | "SMD 3225 Crystal" |

Remarks :

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

RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU

Test Method : With reference to IEC 62321-4:2013+AMD1:2017, IEC62321-5:2013, IEC62321-7-2:2017, IEC 62321-6:2015 and IEC62321-8:2017, analyzed by ICP-OES, UV-Vis and GC-MS.

| <u>Test Item(s)</u> | <u>Limit</u> | <u>Unit</u> | MDL | <u>001</u> |
|------------------------------|--------------|-------------|-----|------------|
| Cadmium (Cd) | 100 | mg/kg | 2 | ND |
| Lead (Pb) | 1,000 | mg/kg | 2 | ND |
| Mercury (Hg) | 1,000 | mg/kg | 2 | ND |
| Hexavalent Chromium (Cr(VI)) | 1,000 | mg/kg | 8 | ND |
| Sum of PBBs | 1,000 | mg/kg | - | ND |
| Monobromobiphenyl | - | mg/kg | 5 | ND |
| Dibromobiphenyl | - | mg/kg | 5 | ND |
| Tribromobiphenyl | - | mg/kg | 5 | ND |
| Tetrabromobiphenyl | - | mg/kg | 5 | ND |
| Pentabromobiphenyl | - | mg/kg | 5 | ND |
| Hexabromobiphenyl | - | mg/kg | 5 | ND |
| Heptabromobiphenyl | - | mg/kg | 5 | ND |
| Octabromobiphenyl | - | mg/kg | 5 | ND |
| Nonabromobiphenyl | - | mg/kg | 5 | ND |
| Decabromobiphenyl | - | mg/kg | 5 | ND |
| Sum of PBDEs | 1,000 | mg/kg | - | ND |
| Monobromodiphenyl ether | - | mg/kg | 5 | ND |
| Dibromodiphenyl ether | - | mg/kg | 5 | ND |
| Tribromodiphenyl ether | - | mg/kg | 5 | ND |
| Tetrabromodiphenyl ether | - | mg/kg | 5 | ND |
| Pentabromodiphenyl ether | - | mg/kg | 5 | ND |



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| Test Report | No. SZXEC2102170201 | | Date: 15 Jul 2021 | | Page 3 of 6 |
|------------------------------------|---------------------|-------------|-------------------|------------|-------------|
| <u>Test Item(s)</u> | <u>Limit</u> | <u>Unit</u> | <u>MDL</u> | <u>001</u> | |
| Hexabromodiphenyl ether | - | mg/kg | 5 | ND | |
| Heptabromodiphenyl ether | - | mg/kg | 5 | ND | |
| Octabromodiphenyl ether | - | mg/kg | 5 | ND | |
| Nonabromodiphenyl ether | - | mg/kg | 5 | ND | |
| Decabromodiphenyl ether | - | mg/kg | 5 | ND | |
| Dibutyl Phthalate (DBP) | 1000 | mg/kg | 50 | ND | |
| Butyl benzyl Phthalate (BBP) | 1000 | mg/kg | 50 | ND | |
| Bis(2-ethylhexyl) Phthalate (DEHP) | 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

https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101::::FSP_ORG_ID,FSP_LANG_ID:12586 37,25

(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.



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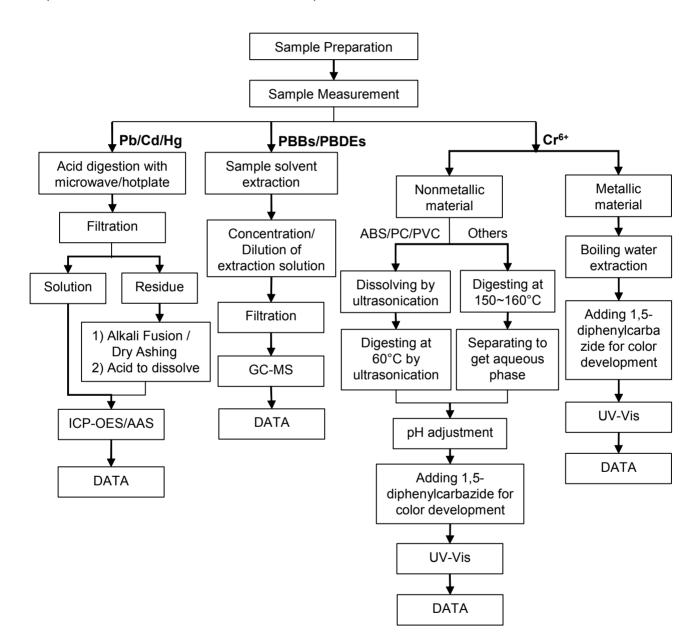


No. SZXEC2102170201

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Pb/Cd/Hg/Cr6+/PBBs/PBDEs Testing Flow Chart

1)These samples were dissolved totally by pre -conditioning method according to below flow chart. (Cr⁶⁺ and PBBs/PBDEs test method excluded).





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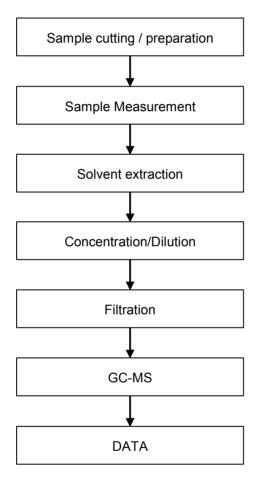
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Page 5 of 6

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Phthalates Testing Flow Chart





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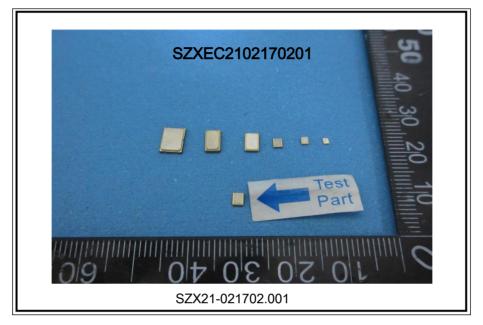
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