

## Verification Report (supplementary)

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|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sample Description      | : FAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| SGS Ref No.             | : SZ10941340-3.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Item No.                | : SF070*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Verification Period     | : APR 08, 2008 TO APR 23, 2008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Verification Requested  | : With reference to RoHS Directive 2002/95/EC, and its amendment directives                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Verification Method     | <ol style="list-style-type: none"> <li>1. Review was performed for the samples disjointed from the submitted articles and the related test reports submitted by the Applicant</li> <li>2. Tests was performed for the samples indicated by the photos in the report with test methods reference to IEC 62321, Ed.1 111/95/CDV: Procedures for the Determination of Levels of Six Regulated substances in Electrotechnical Products               <ol style="list-style-type: none"> <li>(1) Screening by XRF Spectroscopy</li> <li>(2) Wet Chemical Test Method                   <ol style="list-style-type: none"> <li>a. Determination of PBBs and PBDEs by GC/MS.</li> </ol> </li> </ol> </li> </ol> |
| Verification Results    | : Please refer to next page                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Verification Conclusion | : Based on the review of previous reports and verification results of the submitted samples, the results <b>comply with</b> the RoHS Directive 2002/95/EC and its subsequent amendments.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Remark                  | : According to declaration from client, the materials of other parts in item SF070* are the same as those in item SF090 (data and photos are shown on report GZ0803038947/CHEM)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

Signed for and on behalf of  
SGS-CSTC Ltd.




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Huang Fang, Sunny  
Sr. Engineer

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### Details on Verification

| Details on Verification |                                                                  |                       |                                 |                            |                                        |                                                       |                    |                                     |
|-------------------------|------------------------------------------------------------------|-----------------------|---------------------------------|----------------------------|----------------------------------------|-------------------------------------------------------|--------------------|-------------------------------------|
| Part No.                | Part Name                                                        | Restricted Substances | Results of EDXRF <sup>(1)</sup> | No. of Related Test Report | Results in Related Test Report (mg/kg) | Result of Wet Chemical Testing <sup>(2)</sup> (mg/kg) | Conclusion on RoHS | Sample Submitted / Resubmitted Date |
| 1                       | Lt-blue plastic (impeller)                                       | Cd                    | BL                              | \                          | \                                      | \                                                     | Comply             | Apr 08, 2008                        |
|                         |                                                                  | Pb                    | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | Hg                    | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | Cr <sup>6+</sup>      | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | PBBs                  | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | PBDEs                 |                                 |                            | \                                      | \                                                     | Comply             |                                     |
| 2                       | Black plastic frame                                              | Cd                    | BL                              | \                          | \                                      | \                                                     | Comply             | Apr 08, 2008                        |
|                         |                                                                  | Pb                    | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | Hg                    | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | Cr <sup>6+</sup>      | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | PBBs                  | IN                              |                            | \                                      | N.D.                                                  | Comply             |                                     |
|                         |                                                                  | PBDEs                 |                                 |                            | \                                      | Mono-Octa:N.D.<br>Nona:315,Deca:2157                  | Comply             |                                     |
| 3                       | Silvery adhesive plastic w/ red & black printing (label on No.2) | Cd                    | BL                              | \                          | \                                      | \                                                     | Comply             | Apr 08, 2008                        |
|                         |                                                                  | Pb                    | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | Hg                    | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | Cr <sup>6+</sup>      | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | PBBs                  | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | PBDEs                 |                                 |                            | \                                      | \                                                     | Comply             |                                     |
| 4                       | Translucent plastic (plug overmold)                              | Cd                    | BL                              | \                          | \                                      | \                                                     | Comply             | Apr 08, 2008                        |
|                         |                                                                  | Pb                    | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | Hg                    | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | Cr <sup>6+</sup>      | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | PBBs                  | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | PBDEs                 |                                 |                            | \                                      | \                                                     | Comply             |                                     |
| 5                       | Silvery metal pin (in No.4)                                      | Cd                    | BL                              | \                          | \                                      | \                                                     | Comply             | Apr 08, 2008                        |
|                         |                                                                  | Pb                    | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | Hg                    | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | Cr <sup>6+</sup>      | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | PBBs                  | ---                             |                            | \                                      | \                                                     | \                  |                                     |
|                         |                                                                  | PBDEs                 |                                 |                            | \                                      | \                                                     | \                  |                                     |
| 6                       | Black plastic w/ white printing (heat shrinkable tube)           | Cd                    | BL                              | \                          | \                                      | \                                                     | Comply             | Apr 08, 2008                        |
|                         |                                                                  | Pb                    | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | Hg                    | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | Cr <sup>6+</sup>      | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | PBBs                  | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | PBDEs                 |                                 |                            | \                                      | \                                                     | Comply             |                                     |
| 7                       | Black plastic w/ white printing (wire insulation)                | Cd                    | BL                              | \                          | \                                      | \                                                     | Comply             | Apr 08, 2008                        |
|                         |                                                                  | Pb                    | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | Hg                    | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | Cr <sup>6+</sup>      | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | PBBs                  | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | PBDEs                 |                                 |                            | \                                      | \                                                     | Comply             |                                     |
| 8                       | Red plastic w/ black printing (wire insulation)                  | Cd                    | BL                              | \                          | \                                      | \                                                     | Comply             | Apr 08, 2008                        |
|                         |                                                                  | Pb                    | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | Hg                    | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | Cr <sup>6+</sup>      | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | PBBs                  | BL                              |                            | \                                      | \                                                     | Comply             |                                     |
|                         |                                                                  | PBDEs                 |                                 |                            | \                                      | \                                                     | Comply             |                                     |

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### Remark

- (1) (a) It is the result on total Br while test item on restricted substances is PBBs/PBDEs. It is the result on total Cr while test item on restricted substances is Cr<sup>6+</sup>.  
 (b) Results are obtained by EDXRF for primary screening, and further chemical testing by ICP (for Cd, Pb, Hg), UV-VIS (for CrVI) and GCMSD (for PBBs, PBDEs) is recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321, Ed.1 111/95/CDV (unit: mg/kg)

| Element | Polymer                                              | Metal                                                | Composite Materials                                  |
|---------|------------------------------------------------------|------------------------------------------------------|------------------------------------------------------|
| Cd      | $BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$   | $BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$   | $LOD < X < (150+3\sigma) \leq OL$                    |
| Pb      | $BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$ | $BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$ | $BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$ |
| Hg      | $BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$ | $BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$ | $BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$ |
| Br      | $BL \leq (300-3\sigma) < X$                          | ---                                                  | $BL \leq (250-3\sigma) < X$                          |
| Cr      | $BL \leq (700-3\sigma) < X$                          | $BL \leq (700-3\sigma) < X$                          | $BL \leq (500-3\sigma) < X$                          |

(c) OL = Over Limit, BL = Below Limit, IN = Inconclusive, LOD = Limit of Detection

(d) The XRF screening test for RoHS elements – The reading may be different to the actual content in the sample be of non-uniformity composition

- (2) (a) mg/kg = ppm=0.0001%, N.D. = not detected (<MDL), --- = not conducted, \ = not available.  
 (b) Unit and Method Detection Limit (MDL) in wet chemical test

| Test Items | Pb    | Cd    | Hg    |
|------------|-------|-------|-------|
| Units      | mg/kg | mg/kg | mg/kg |
| MDL        | 2     | 2     | 2     |

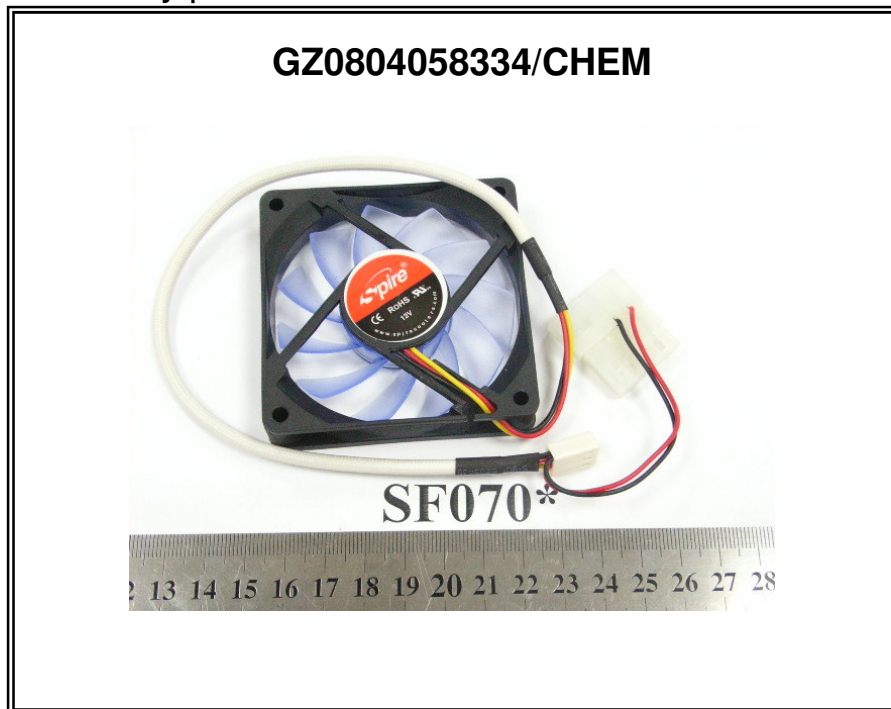
The MDL for single compound of PBBs & PBDEs is 5 mg/kg and MDL of Cr<sup>6+</sup> for polymer & composite sample is 2 mg/kg.

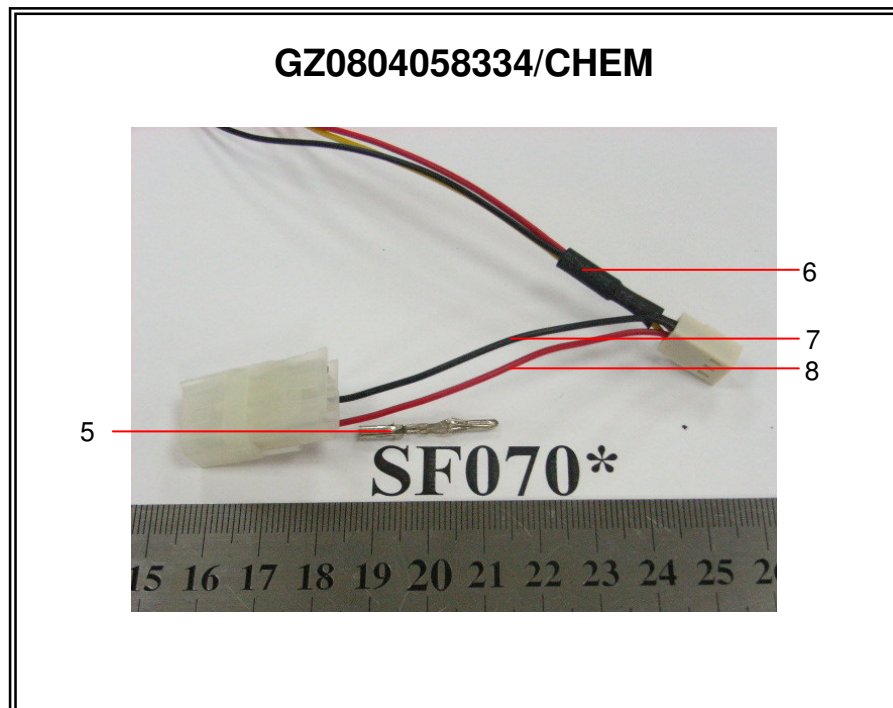
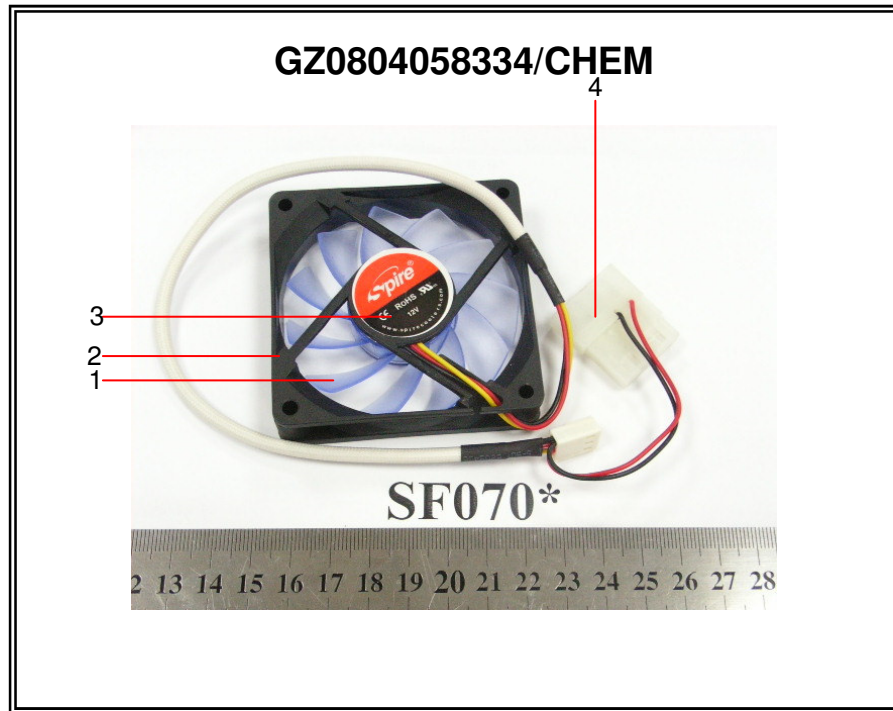
- (c) According to IEC 62321, Ed.1 111/95/CDV, result on Cr<sup>6+</sup> for metal sample is shown as Positive/Negative.  
 Negative = Absence of Cr<sup>6+</sup> coating, Positive = Presence of Cr<sup>6+</sup> coating  
 (d) According to 2005/717/EC, DecaBDE is exempt.

Photo for original product



Photo for supplementary product





(SGS authenticate the photo on original report only)

\*\*\* End of Report \*\*\*