

**PRODUCT SPECIFICATIONS****CQV Co., Ltd.**

|                                       |   |               |   |                          |                                |           |
|---------------------------------------|---|---------------|---|--------------------------|--------------------------------|-----------|
| <b>Product Name:</b>                  | <b>CQV PEARL PIGMENT</b>  |               |   |                          |                                |           |
| <b>Trade Name:</b>                    | <b>Axion<sup>®</sup> Crystal Gold AX-701P</b>                     |               |   |                          |                                |           |
| <b>Manufacturer:</b>                  | <b>CQV Co., Ltd.</b>  |               |   |                          |                                |           |
|                                       | 144, Seongjung-Ro, Jincheon-Eup, Jincheon-Gun, Chungbuk-Do, Korea |               |   |                          |                                |           |
|                                       | Tel. 82-43-531-2500, Fax. 82-43-536-0314                          |               |   |                          |                                |           |
| <b>Date Prepared:</b>                 | Rev. 2, December 14th, 2015                                       |               |   |                          |                                |           |
| <b>1. Appearance:</b>                 | Sparkle Silver White, Free-flowing Powder                         |               |   |                          |                                |           |
| <b>2. Ingredients and Composition</b> |   |               |   |                          |                                |           |
| Ingredients                           | Composition   | By Weight (%) |   | CAS No.                  | EINECS                         |           |
| Calcium Titanium Borosilicate         | -   | 83            | - | 94                       | 65997-17-3                     | 266-046-0 |
| Tin Oxide                             | SnO <sub>2</sub>  | 0             | - | 1                        | 18282-10-5                     | 242-159-0 |
| Titanium Dioxide                      | TiO <sub>2</sub>  | 6             | - | 16                       | 13463-67-7                     | 236-675-5 |
| <b>3. Particle Size (μm):</b>         | Mean Diameters  | D10           | - | D90                      | (By Malvern Mastersizer 2000S) |           |
|                                       |   | 30            | - | 180                      |                                |           |
| <b>4. pH:</b>                         | 7.0 - 11.0  |               |   | (10% Aqueous Suspension) |                                |           |
| <b>5. Loss on Drying:</b>             | 0.5 % max.  |               |   |                          |                                |           |
| <b>6. Loss on Ignition:</b>           | 2.0 % max.  |               |   |                          |                                |           |
| <b>7. Density (g/cm<sup>3</sup>)</b>  | 2.5 - 2.7   |               |   |                          |                                |           |
| <b>8. Acid Soluble Substances:</b>    | 2.0 % max.  |               |   |                          |                                |           |
| <b>9. Trace Elements:</b>             | Mercury (Hg)  |               |   | 1 ppm max.               |                                | IEC 62321 |
|                                       | Lead (Pb)   |               |   | 10 ppm max.              |                                |           |
|                                       | Cadmium (Cd)  |               |   | 1 ppm max.               |                                |           |
|                                       | Hexavalent Chromium(Cr <sup>6+</sup> )                            |               |   | 5 ppm max.               |                                |           |
| <b>*Note:</b>                         | Do not use in the condition of above 650 °C.                      |               |   |                          |                                |           |