

## Typical Specification

| Item                               | Standard                                | Result                  |
|------------------------------------|-----------------------------------------|-------------------------|
| Appearance                         | White or almost white powder or granule | Complied                |
| Glucuronic acid                    | $\geq 45.0\%$                           | 47.2%                   |
| Sodium hyaluronate                 | $\geq 95.0\%$                           | 97.8%                   |
| pH(0.5% aq. sol., 25°C)            | 5.0~8.5                                 | 6.7                     |
| Absorbance(0.5% aq. sol., 25°C)    | $A_{280nm} \leq 0.25$                   | 0.08                    |
| Transmittance(0.5% aq. sol., 25°C) | $T_{550nm} \geq 99.0\%$                 | 99.9%                   |
| Loss on drying                     | $\leq 10.0\%$                           | 6.0%                    |
| Molecular weight                   | 800-1,600 k Da                          | 1,200 k Da              |
| Intrinsic viscosity                | measured value                          | 19.7 dL/g               |
| Kinematic viscosity                | measured value                          | 39.10mm <sup>2</sup> /s |
| Protein                            | $\leq 0.1\%$                            | 0.04%                   |
| Heavy metal (as Pb)                | $\leq 20$ mg/kg                         | <10mg/kg                |
| Bacteria counts                    | $\leq 100$ CFU/g                        | Complied                |
| Molds & Yeasts                     | $\leq 50$ CFU/g                         | Complied                |
| Staphylococcus aureus              | Negative/g                              | Negative                |
| Pseudomonas aeruginosa             | Negative/g                              | Negative                |