

## Typical Specification

| <b><u>Items</u></b>    | <b><u>Specifications</u></b>                       | <b><u>Results</u></b> |
|------------------------|----------------------------------------------------|-----------------------|
| Appearance             | White or almost white powder or fibrous aggregates | Complies              |
| Sodium Hyaluronate     | 95%min                                             | 97.8%                 |
| Molecular Weight       | >1,800K Da                                         | 1,820K Da             |
| Appearance of solution | Clear, $A_{600nm} < 0.01$                          | Complies              |
| pH                     | 5.0-8.5                                            | 6.6                   |
| Nucleic acids          | $A_{260nm} < 0.5$                                  | Complies              |
| Protein                | $\leq 0.1\%$                                       | 0.05%                 |
| Heavy metal            | $\leq 20ppm$                                       | <10ppm                |
| Chlorides              | $\leq 0.5\%$                                       | <0.4%                 |
| Iron                   | $\leq 80ppm$                                       | <80ppm                |
| Arsenic                | $\leq 2ppm$                                        | $\leq 2ppm$           |
| Loss on drying         | $\leq 10.0\%$                                      | 6.7%                  |
| Residual on Ignition   | $\leq 20\%$                                        | 16.6%                 |
| Bacteria Counts        | $\leq 100cfu/g$                                    | Complies              |
| Molds & Yeasts         | $\leq 50cfu/g$                                     | Complies              |
| Staphylococcus aureus  | Negative/g                                         | Negative              |
| Pseudomonas aeruginosa | Negative/g                                         | Negative              |
| Hemolytic streptococci | Negative/g                                         | Negative              |