

# Specification

21.10.2015

Code No.: RS03345

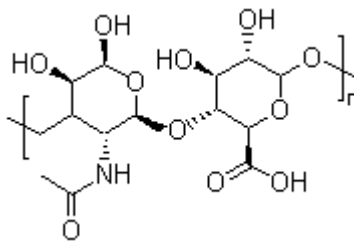
CLP No.: KJ575941-24

CAS No.: 9004-61-9

EINECS No.: 232-678-0

Chemical Name: **Hyaluronic Acid, Food grade**

## Structure:



Molecular Formula:  $(C_{14}H_{21}NO_{11})_n$

## Product Properties:

|                       |                         |
|-----------------------|-------------------------|
| Appearance            | white powder            |
| Transparency          | 95 % min.               |
| Sodium hyaluronate    | 95 % min.               |
| Glucuronic acid       | 42 % min.               |
| Molecular weight      | $(0.8-1.5) \times 10^6$ |
| pH                    | 5.5 - 7.5               |
| Protein               | 0.1 % max.              |
| Loss on drying        | 10 % max.               |
| Nitrogen              | 3 - 4 %                 |
| Heavy metal           | 20 ppm max.             |
| Arsenic               | 2 ppm max.              |
| Heat remaining strong | 20 % max.               |
| Bacterial counts      | 100 cfu/g max.          |
| Mold & yeast          | 100 cfu/g max.          |
| Staphylococcus aureus | negative                |
| Chlorop seu domonas   | negative                |