

## TECHNICAL DATA SHEET

Effective date: 04.2019

### Pure Hyaluronic Acid, LMW

#### INFORMATION ON SUBSTANCE / MIXTURE

|                       |  |
|-----------------------|--|
| INCI                  | Sodium hyaluronate   |
| Manufacturing process | Product obtained from plant sources, through fermentation using biotechnology  |
| Raw material category | Active ingredient raw material for cosmetic formulations   |
| Description           | Cosmetic grade LMW (low molecular weight) it is a glycosaminoglycan and long-chain polymer of disaccharide units of Na-glucuronate-N-acetylglucosamine |

#### TECHNICAL DATA

##### Composition

|                    |             |
|--------------------|-------------|
| Sodium hyaluronate | Min. 95.0 % |
| Protein            | Max. 0.1 %  |

##### Physical parameters

|                              |   |
|------------------------------|---|
| Appearance                   | Solid, powder                               |
| Color                        | White                                       |
| Odor                         | Odorless                                    |
| pH (0.1 % in water solution) | 6.0 – 7.5                                   |
| Solubility                   | Soluble in water, insoluble in oil, ethanol |
| Particle size                | 98 % through 80 mesh                        |
| Residue on ignition          | Max. 20 %                                   |
| Moisture                     | Max. 10 %                                   |
| Molecular weight             | 10 – 200 KDa                                |

##### Biological parameters

|                           |             |
|---------------------------|-------------|
| Total aerobic plate count | < 100 cfu/g |
| Yeasts and molds          | < 10 cfu/g  |

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### Contaminants

|              |             |
|--------------|-------------|
| Heavy metals | max. 20 ppm |
| Arsenic      | max. 2 ppm  |

### TRANSPORT, STORAGE and SHELF LIFE

|                    |  |
|--------------------|--|
| Storage conditions | Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from moisture and direct sunlight. |
| Shelf Life         | 36 months, in closed packaging and the recommended conditions.   |
| Custom tariff      | -  |

### LEGISLATION

|               |           |
|---------------|-----------|
| Certification | -         |
| EINECS        | 232-678-0 |
| CAS           | 9067-32-7 |

### DISCLAIMER

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