

TECHNICAL DATA SHEET

Effective date: 09.2019

Hyaluronic Acid OLIGO

INFORMATION ON SUBSTANCE / MIXTURE

INCI	Sodium hyaluronate
Chemical name	Poly(β -glucuronic acid-[1 \rightarrow 3]- β -N-acetylglucosamine-[1 \rightarrow 4]), alternating
Chemical formula	(C ₁₄ H ₂₀ NNaO ₁₁) _n
Molecular weight	Ultra low molecular weight < 10 kDa
Description	Percutaneous absorption, deep moisturising, anti-aging and recovery effect after sunburn
Raw material category	Humectant

TECHNICAL DATA

Physical parameters

Appearance	Solid, powder
Color	White
Odor	Odorless
Loss on drying	$\leq 10.0 \%$
pH	5.0 – 8.5
Solubility	Soluble in water and organic solvents (glycerol)
Appearance of solution	A 600 nm ≤ 0.01
Residue on ignition	$\leq 20.0 \%$

Chemical parameters

Sodium hyaluronate	$\geq 95 \%$
Nucleic acids	A 260 nm ≤ 0.5
Molar weight range	< 10 kDa
Protein	$\leq 0.1 \%$
Iron	≤ 80 ppm
Arsenic	≤ 2 ppm
Chlorides	$\leq 0.5 \%$
Heavy metals	≤ 10 ppm

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Biological parameters

Total bacterial count	≤ 100 cfu/g
Yeasts and molds	≤ 10 cfu/g
Pseudomonas aeruginosa	Absent/g
Staphylococcus aureus	Absent/g
Hemolytic Streptococci	Absent/g

TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	Store in closed containers at temperature between 2-10°C, keep dry and avoid humidity.
Shelf Life	5 years, in closed packaging and the recommended conditions.
Custom tariff	-

LEGISLATION

Certification	-
EINECS	232-678-0
CAS	9067-32-7
REACH Registration no.	-

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