

Sodium Polyacrylate

Thickener for cosmetic formulations

Product Description

Sodium Polyacrylate is a super-absorbent polymer and thickening agent used in cosmetic gels, creams and personal care products.

Certificate of Analysis

HSN Code: 3906.90

CAS Number: 9003-04-7

Classification: Cosmetic / Industrial Excipient

Parameter	Specification	Test Method
Appearance	White granular free-flowing powder	Visual
Identification	IR spectrum conforms to polyacrylate	IR Spectroscopy
pH (0.5% aq. solution)	7.0–9.0	Potentiometry
Viscosity (1% aq.)	300–1500 mPas	Brookfield RVT at 25°C
Residue on Ignition	"d 5 5 %	Gravimetric at 800°C
Loss on Drying	"d 1 0 %	Gravimetric at 105°C
Acrylic Acid Monomer	"d 1 0 0 0 p p m	HPLC
Heavy Metals	"d 2 0 p p m	ICP-MS

Physical Properties

Appearance: White granular free-flowing powder

Odor: Odorless

Solubility: Highly water-absorbent; forms clear gel in water

Packing: 20 kg / 25 kg HDPE bags or multi-layer paper bags with PE inner liner

Storage: Store in cool, dry, well-ventilated area below 25°C. Protect from moisture (hygroscopic). Keep containers sealed.

Safety & Handling

PPE: Dust mask, safety goggles for powder handling

Hazards:

- Dust may cause mild respiratory irritation
- Slip hazard when wet (highly absorbent)