

Carbomer 940 / 971p

Gelling agent – all grades

Product Description

Carbomer (Carbopol) 940 and 971P are cross-linked polyacrylic acid polymers used as gelling agents and viscosity builders in topical gels, creams and oral liquids. Available to BP/USP standards.

Certificate of Analysis

HSN Code: 3906.10

CAS Number: 9003-01-4

Classification: Pharmaceutical Excipient – G

Parameter	Specification	Test Method
Appearance	White fluffy hygroscopic powder	Visual
Identification	IR spectrum conforms; viscosity profile confirms grade	IR / Viscometry
pH (0.5% aq. neutralized gel)	2.5–3.5 unneutralized	Potentiometry
Viscosity (0.5% NaOH-neutralized, 940)	30,500–39,400 mPas	Brookfield RVT
Viscosity (0.5% neutralized, 971P)	4,000–11,000 mPas	Brookfield RVT
Loss on Drying	"d 2.0 %	USP <731>
Residue on Ignition	"d 4.0 %	USP <281>
Benzene	"d 2 ppm	GC headspace
Heavy Metals	"d 20 ppm	ICP-MS

Physical Properties

Appearance: White fluffy hygroscopic powder

Odor: Slight characteristic odor

Solubility: Swells in water when neutralized to form clear high-viscosity gels

Packing: 1 kg aluminium foil bags; 5 kg / 10 kg HDPE drums with moisture barrier; 25 kg fibre drums

Storage: Store in cool, dry area below 25°C. Protect from moisture, heat, and direct light. Keep containers tightly sealed.

Safety & Handling

PPE: Dust mask (N95), safety goggles, gloves for powder handling

Hazards:

- Dust may cause respiratory irritation
- Mild skin and eye irritant