

SPECIFICATION

Product Name: Sodium Carboxymethyl Cellulose BP Grade
Chemical Formula: $[C_6H_7O_2(OH)_2OCH_2COONa]_n$
CAS Number: 9004-32-4
Molecular Weight: 90,000 – 7,00,000 g/mol
Appearance: A White or Almost White, Granular Powder
Odor: Odorless.

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min/Max)
Identification (A) & (B)	-	Complies	As per BP
Appearance of Solution	-	Complies	As per BP
pH (1% w/v solution)	%	7.39	6.0 to 8.0
Apparent Viscosity	CPS	310 Cps	1 % w/v Solution
Sodium Glycollate	%	0.21%	As per BP
Chloride	%	Complies	NMT 0.25%
Sulphated ash	%	30.60%	20.0% to 33.3%
Loss on Drying	%	7.82%	NMT 10.0%
Assay (on Dried basis)	%	8.74%	6.5% to 10.8%

Physical Properties

- Solubility: Freely soluble in water. Soluble in hot water. Practically insoluble in ethanol. Insoluble in acetone. Insoluble in ether. Insoluble in chloroform.

Shelf Life & Storage

- Shelf Life: 3 years from date of manufacture under recommended storage.

- Storage Conditions: Store in a tightly closed container in a cool, dry, and well-ventilated place, protected from moisture, humidity, and direct sunlight. Keep the container tightly sealed when not in use to prevent moisture absorption and caking.

Applications

- Use: Widely used as a thickening agent, stabilizer, suspending agent, binder, film former, and viscosity modifier in pharmaceutical, food, cosmetic, and industrial applications.

- Dosage: Depends on its function in the formulation (thickener, suspending agent, binder, or stabilizer) and the product type.

Packaging

- Standard Packing: 25 kg woven PP bags with inner liner and 100 Grams or as per customer requirement.

- Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.

* Specifications are based on the manufacturer's provided specifications.