

CERTIFICATE OF ANALYSIS

Product Name	Carboxymethyl Cellulose (CMC)
INCI Name	Cellulose Gum
CAS#	9004-32-4
Chemical Classification	Polysaccharide derivative
Functional Category	Thickener, stabilizer, film-former, viscosity modifier
Lot Number	PK24200138
Manufacture Date	09/2025
Re-test Date	09/2027

Characteristics	Specification	Result
Appearance	White to light yellowish powder	CONFORMS
Odor	Neutral, nearly odorless	CONFORMS
Viscosity %2 - 25°C Brookfield	200 - 5000 cps	260.0
Active Material (dry basis Na CMC%)	MIN 60	61.2
DS (Degree of Submission)	0.5 - 0.7	0.51
Moisture	MAX 10	8.3
p > 710pm	MAX 45	44.2
p > 355pm	45.0 - 65.0	4.5
p < 355pm	MAX 10	8.81
pH (1% Solution)	7.0 - 11.0	10.8
Stability	Stable in a broad pH range (4-10); sensitive in strong acids and high temperatures	CONFORMS
Solubility	Soluble in water, insoluble in most organic solvents	CONFORMS

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

As it is electronically generated document, hence no signature required.

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