

ASES CHEMICAL WORKS

Brahm Bagh, Jalori Gate Jodhpur - 342001 Rajasthan-India

Ph: +91-9636889954

Email : ecom@ases.in Website : www.ases.in



CERTIFICATE OF ANALYSIS

1. Name of the Product : Gum Carrageenan
2. Synonyms : Carrageenin, Marine Hydrocolloid
3. E Number : E407
4. CAS Number : 9000-07-1
5. Grade : DAIRY
6. Batch No & MFG Date: As Mentioned on Label
7. Date of Exp : 3 Years from MFG
8. Date of Analysis : Aug-2025

Sr No	Parameters	Specifications	Results
1	Description	Yellowish/tan to white, coarse to fine powder, odourless	Complies
2	Solubility	NMT 30 ml water to dissolve 1g at 80°C; Insoluble in ethanol	Complies
3	pH (1.5% aq., 60°C)	9.0 – 11.0	9.3
4	Loss on Drying (%)	Max. 12.0	4.1
5	Milk Gel Strength (0.5%)	20 – 80 g/cm ²	40.5
6	Heavy Metals:		
	a. Lead (Pb)	Max. 5 ppm	Below 5
	b. Arsenic (As)	Max. 3 ppm	Below 3
	c. Mercury (Hg)	Max. 1 ppm	Below 1
	e. Cadmium (Cd)	Max. 2 ppm	Below 2
7	Microbiological Analysis:		
	a. Total Plate Count (CFU/g)	Max. 5000	Below 5000
	b. Yeast & Mold (CFU/g)	Max. 300	Below 300
	c. Salmonella	Absent in 10 g	Absent
	d. E. coli	Absent in 5 g	Absent