

CERTIFICATE OF ANALYSIS

Product Name	SODIUM ALGINATE FOOD GRADE				
Lot No. PARAMETER	Specification	DYS202402103	DYS202402104	DYS202402105	DYS202402106
Manufacturing Date	/	February/24/2024	February/24/2024	February/24/2024	February/24/2024
Expiry Date	/	February/23/2026	February/23/2026	February/23/2026	February/23/2026
Weight/Lot (Kgs)	/	2000	2000	2000	2000
Viscosity(1% sol.) (RVDV-II+, #2,20 rpm,20°C) (mPa.s)	600-700	700	700	700	700
Particle Size (Mesh)	95% Min. throu. 80 mesh	99.00%	98.50%	99.00%	99.00%
Loss on drying % (105°C,4h)	15% w/w max	14.3	14.5	14.0	14.7
PH	6.0-8.0	6.84	6.98	6.98	7.16
Assay	Not less than 98%	99.50%	99.50%	99.50%	99.90%
Water insoluble material	0.6% w/w max	0.04	0.06	0.06	0.04
Sulphated Ash	30.0-35.9% w/w	32.6	32.50	32.30	33.80
Appearance	Light yellow to white-cream powder	Conform			
Heavy Metals as Pb	Not more than 15 ppm as Pb Max.	<4	<4	<4	<4
Arsenic	3 ppm Max.	<2	<2	<2	<2
Lead	5 ppm Max.	<4	<4	<4	<4
Mercury	1 ppm Max.	<1	<1	<1	<1
Cadmium	1 ppm Max.	<1	<1	<1	<1
Total Plate Count	5000 cfu/g Max.	<1000	<1000	<1000	<1000
E. Coli	Absent in 5 g	Conform	Conform	Conform	Conform
Salmonella	Absent in 10 g	Conform	Conform	Conform	Conform
Yeast and moulds	Max. 500 cfu/g	<200	<200	<200	<200