

Certificate of Analysis

Product Name: **Carrageenan**
Batch No.: **TR20250314**
Production Date: **Mar 14-2025**

Specification: **Kappa semi-refined**
Quantity: **10,000 KGS**
Expiry Date: **Mar 14-2027**

Items	Unit	Standard	Results
Appearance	/	Light yellow Powder	Yellow
Moisture (105°C,4h)	%	≤12	8.51
Viscosity (1.5% 75°C)	mPa.s	≥5	130
Potassium Gel strength 1.5%+0.2%KCl(w/w) at 20°C , 6-12h	g/cm2	≥400	630
Total Ash (550°C,4h)	%	15-40	19.8
Acid –insoluble Ash	%	≤1	0.25
Acid insoluble matter	%	≤15	0.4
PH (1.0% w/w,60°C)	/	8-11	9.29
Particle Size(Mesh)	%	≥90 through (200Mesh)	98.57
Sulphate(count by SO42-)	%	15-40	19.61
Lead(Pb)	mg/kg	≤5	Conforms
Arsenic(As)	mg/kg	≤3	Conforms
Cadmium(Cd)	mg/kg	≤2	Conforms
Mercury(Hg)	mg/kg	≤1	Conforms
Total Plate Count	CFU/g	≤5000	400
Escherichia coli	MPN/g	< 3.0	< 3.0
Yeast and moulds	CFU/g	≤300	90
Salmonella	/ 1g	Absent	Negative

CONCLUSION: Through Analysis,the quality of this batch number is approved.

PACKING: 25 KGS/BAG

STORAGE: Stored in a cool,dry environment,strictly prohibited storing and shipping with harmful toxic



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