

Certificate of Analysis

Date of Testing: 2025-07-30 09:55:12

Date of Next Testing: 2027-07-30 09:55:12

Product Name: **Type K refined carrageenan**

CAS Number:

Specifications & Purity: 200 mesh

Lot #: G2525561

SKU #: **T766564**

Version: **1**

Analysis #: **475406**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Moisture (105°C,4h)	≤12 (%)	8.26000 %
Viscosity (1.5% in water 75°C)	≥5 (mPa·S)	120.00000 mPa·S
potassium Gel strength (1.5% +0.2%KCl (w/w) at 20°C,6-12h)	≥1300 (g/cm3)	1560.00000 g/cm3
water Gel strength(1.5% at 20°C,6-12h)	≥50 (g/cm3)	200.00000 g/cm3
Total Ash (550°C,4h)	15-40 (%)	21.95000 %
Acid -insoluble Ash	≤1 (%)	0.27000 %
Acid Insoluble matter	0-15 (%)	0.47 %
particle size(through (200mesh))	≥90 (%)	90.00000 %
Transparency(1.5%W/W in water)(T%)	≥90 (%)	91.50000 %
PH(1.0% w/w in water,60°C)	8-11	8.91000
Sulfate(as sulfate radical)	15-40 (%)	21.58000 %
Lead(Pb)	0-5 (ppm)	5.00 ppm
Arsenic(As)	0-3 (ppm)	3.00000 ppm
Cadmium(Cd)	0-2 (ppm)	2.00 ppm
Mercury(Hg)	0-1 (ppm)	1.00 ppm
Total Plate Count	0-5000(CFU/g)	500.00000 cfu/g
Escherichia coli	<3.0 (MPN/g)	1.03200 MPN/g
Appearance(T766564)	snowy White Powder	snowy White Powder
Salmonella/1g	Negative	Negative



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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager