



Certificate of Analysis

Product Name:

Alginate Sodium Salt from Brown Algae (Medium Molecular Weight)

CAS Number: 9005-38-3

MDL Number: MFCD00081310

Test	Specification	Result
Appearance (Color)	Powder	Powder
Solubility (Color)	Faint Yellow	Faint Yellow
Loss on Drying	<15.5 %	0.42 %
Total Ash	18-27 %	7 %
Viscosity* 1% w/v in water at 25 °C	100-200 cps (Low molecular weight) 200-500 cps (Medium molecular weight)	200 cps (in 25-100 rpm)
Molecular Weight**	-	251 kD
Arsenic (As)***	< 3 ppm	0.76 ppm
Cadmium (Cd)***	< 1 ppm	< 0.1 ppm
Mercury (Hg)***	< 1 ppm	0.86 ppm
Lead (Pb)***	< 10 ppm	1.6 ppm

* Measured by Brookfield Rotary Viscometer

** Measured by Ubbelohde viscometer

*** Measured by ICP-MS technique