

## 5114 – SODIUM ALGINATE

REF NO: TBL/QA/SS/F/5114	STANDARD SPECIFICATION FOR SODIUM ALGINATE	Rev. No: 03
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### PRODUCT PROPERTIES

C.A.S Number	9005-38-3
Chemical Formula	(C <sub>6</sub> H <sub>7</sub> NaO <sub>6</sub> ) <sub>n</sub>
Formula weight	221.94
Functional Uses	Stabilizer, thickener, gelling agent, emulsifier
Standard Packaging	50 kg

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White to yellowish brown filamentous, grainy, granular or powdered forms
Solubility	Dissolves slowly in water, forming a viscous solution; insoluble in ethanol and ether
Test for alginate	Passes test
Test for sodium	Passes test

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Loss on drying (105°C , 4 h)	NMT – 15.0%
Water-insoluble matter (on dried basis)	NMT – 2.0%
Arsenic	NMT – 3 mg/kg
Lead	NMT – 5 mg/kg
Assay (on dried basis)	18.0% – 21.0% (carbon dioxide (CO <sub>2</sub> ), 90.8% – 106.0% (sodium alginate (C <sub>6</sub> H <sub>7</sub> NaO <sub>6</sub> ) <sub>n</sub> )

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

