

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : SODIUM ALGINATE (Confirming to NF)**  
(Sodium polymannuronate)

**CAS No : 9005-38-3**  
**Mol. Formula : (C<sub>6</sub>H<sub>7</sub>O<sub>6</sub>Na)**  
**Date of analysis : 03/05/25**

**Product code : 18080**  
**Batch No. : MCR-33901**  
**Mfd. : May 2025**  
**Exp. : April 2030**

S.R	Test	Specification	Observation
1	<b>Description</b>	White to cream or yellowish brown powder.	Cream powder.
2	<b>Solubility</b>	Slowly soluble in water forms viscous solution insoluble in alcohol ether and chloroform.	Slowly soluble in water forms viscous solution insoluble in alcohol ether and chloroform.
3	<b>Assay</b>	91 - 106%	92.69%
4	<b>Moisture</b>	15% max	3.20%
5	<b>Matter insoluble in water</b>	1% max	0.07%
6	<b>Arsenic (As)</b>	0.0003% max	< 0.0003%
7	<b>Iron (Fe)</b>	0.03% max	<0.03%
8	<b>Lead (Pb)</b>	0.001% max	<0.001%
9	<b>Sulphated ash</b>	35% max	34.90%
10	<b>Sulphur</b>	0.02% max	<0.02%
11	<b>Phosphorus</b>	0.02% max	<0.02%
12	<b>Chloride (Cl)</b>	0.2% max	<0.2%

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**



**CHEMIST  
(Shruti)**



**[QC Incharge]**



**HEAD-QUALITY ASSURANCE  
(G.G.Salian)**

**MOLYCHEM H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)**

**Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)**

**Reg. Office : 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai - 400 002 (INDIA)**

**Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.**