

## Certificate of Analysis

Date of Testing: 2025-06-02 10:52:03

Date of Next Testing: 2027-05-23 10:52:03

Product Name: **Sodium alginate**

CAS Number: 9005-38-3

Specifications & Purity: Biochemical, for immobilization of micro-organisms

Lot #: E2526030

SKU #: **S100127**

Version: **1**

Analysis #: **515964**

Storage Temperature: Desiccated

| Parameter                                                                             | Limit Values                            | Result                                  |
|---------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------------------|
| Ignition Residue                                                                      | 0-30 (%)                                | 15.00 %                                 |
| Loss on drying                                                                        | 0-15 (%)                                | 2.30 %                                  |
| PH                                                                                    | 6-8                                     | 7.65                                    |
| Appearance (S100127)                                                                  | White to light brown powder or crystals | white to light brown powder or crystals |
| Infrared spectrum                                                                     | Conforms to Structure                   | Conforms to Structure                   |
| Plant cell culture test                                                               | pass                                    | Pass                                    |
| Solubility in H <sub>2</sub> O , Colorless to yellow, Clear to Slightly Hazy, 10mg/ml | pass                                    | Pass                                    |



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