

## Certificate of Analysis

Date of Testing: 2025-05-24 11:45:17

Date of Next Testing: 2028-05-23 11:45:17

Product Name: **Polyglutamic Acid (macromolecule)**

CAS Number:

Specifications & Purity:  $\geq 90\%$

Lot #: E2519368

SKU #: **P774285**

Version: **2**

Analysis #: **498323**

Storage Temperature: Store at 2-8°C, Protected from light, Desiccated

| Parameter           | Limit Values                          | Result                                |
|---------------------|---------------------------------------|---------------------------------------|
| Loss on drying      | 0-10 (%)                              | 7.50 %                                |
| Heavy metals        | 0-10 (ppm)                            | 1.25 ppm                              |
| Transmittance       | 95-100 (%)                            | 99.60000 %                            |
| PH                  | 5.0-7.5                               | 6.70                                  |
| Total Plate Count   | 0-100(CFU/g)                          | 0.36000 cfu/g                         |
| Molecular Weight    | $\geq 1500000$ (Da)                   | 1520000.00000 Da                      |
| Purity(HPLC)        | 90-100 (%)                            | 92.20000 %                            |
| Appearance(P774285) | White to off white granular or powder | White to off white granular or powder |



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