

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-21 14:17:54
Date of Next Testing: 2029-08-20 14:17:54
Product Name: **Laminaran from Eisenia Bicyclis**
CAS Number: 9008-22-4
Specifications & Purity:
Lot #: K2113170
SKU #: **L103298**
Version: **0**
Analysis #: **557793**
Storage Temperature: Store at 2-8°C, Argon charged

| Parameter | Limit Values | Result |
|---|------------------------------|------------------------------|
| Specific Rotation [α] ₂₀ /D(c=0.9 in H ₂ O) | -50--40 (°) | -44.12° |
| Appearance (L103298) | White to Off-White Powder | White to Off-White Powder |
| Laminarinase substrate test(PH5.0 , 37°C) | Pass | Pass |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in H ₂ O , Colorless to yellow, Clear to Slightly Hazy, 10mg/ml | pass | Pass |



John Su
QA & QC Manager