

Certificate of Analysis

Date of Testing: 2024-10-08 14:33:18
Date of Next Testing: 2026-09-28 14:33:18
Product Name: **Astaxanthin**
CAS Number: 472-61-7
Specifications & Purity: $\geq 98\%$ (HPLC), mixture of cis and trans
Lot #: I2425193
SKU #: **A114383**
Version: **0**
Analysis #: **416214**
Storage Temperature: Protected from light,Store at -20°C,Argon charged

| Parameter | Limit Values | Result |
|--|-----------------------------|-----------------------------|
| Carbon by Elemental Analysis | 78.1-80.9 (%) | 80.50 % |
| Purity(Mixture of cis and trans isomers ,HPLC) | 98-100 (%) | 99.50 % |
| Appearance (A114383) | Purple to Dark Purple Solid | Purple to Dark Purple Solid |
| Mass spectrum | Conforms to standard | Conforms to standard |



John Su
QA & QC Manager