

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-06-17 16:08:36

Date of Next Testing: 2024-06-16 16:08:36

Product Name: **Astaxanthin**

CAS Number: 472-61-7

Specifications & Purity: $\geq 95\%$ (HPLC),mixture of cis and trans

Lot #: F2214545

SKU #: **A141428**

Analysis: **066138**

Storage Temperature: Protected from light,Store at -20°C,Argon charged

Parameter	Limit Values	Result
Melting point	215-225 (°C)	224.46000 °C
Purity(mixture of cis and trans) (HPLC)	95-100 (%)	99.50 %
Appearance (A141428)	Red to purple Powder or Solid or Crystals	Red to purple Powder or Solid or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John.Su".

John Su
QA & QC Manager