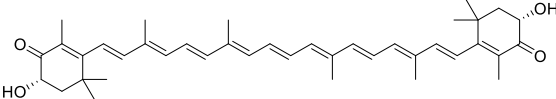




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
600113	Astaxanthin	B7B12C06

Chemical name	
(6S)-6-Hydroxy-3-[(1E,3E,5E,7E,9E,11E,13E,15E,17E)-18-[(4S)-4-hydroxy-2,6,6-trimethyl-3-oxo-1-cyclohexenyl]-3,7,12,16-tetramethyloctadeca-1,3,5,7,9,11,13,15,17-nonaenyl]-2,4,4-trimethyl-1-cyclohex-2-enone	
Synonyms	
Astaxanthin	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 600113 Name: Astaxanthin CAS#: 472-61-71 Lot# B7B12C06 Chemical Formula: C ₄₀ H ₅₂ O ₄ Exact Mass: 596.38656 Molecular Weight: 596.84

Analysis item	Specifications / Results
Appearance	Red to purple solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>98.0%
Solubility	Soluble in DMSO
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 5 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE