

QUALITY SPECIFICATION

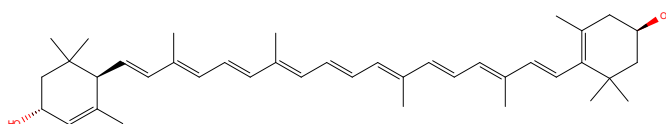
Lutein

Catalog No.: NST-10-133

CAS No.: 127-40-2

Molecular formula: C₄₀H₅₆O₂

MW: 568.87



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	Orange to reddish-orange	Visual
3.	Purity	≥75.0 %	HPLC
4.	Total carotenoids	≥80.0 %	In house
5.	Zeaxanthin	≤9.0 %	In house
6.	N-hexane	≤50.0 %	In house
7.	Sulfated ash	≤1.0 %	In house
8.	Loss on drying	≤6.0 %	In house
9.	Lead	≤1 ppm	ICP-MS
10.	Arsenic	≤1 ppm	ICP-MS

Storage: long term storage - airtight container +2 ... +8 °C

Stability: 24 months when properly stored