

Raw Material Specification

Lutein oil 20-4

Description:

Botanical name:	Tagetes erecta L.
Part Used:	Marigold flower
County of Origin:	China
Excipient:	Safflower oil

Physical control	Specification	Method
Appearance	Orange viscous liquid	Visual
Total Carotenoids	≥20%	UV
Lutein Assay	≥20%	HPLC
Zeaxanthin	4%–5%	HPLC
Solvent residual	≤50ppm	GC-ECD

Heavy Metal Control	Specification	Method
Total Heavy Metals	≤10mg/kg	Atomic Absorption
Lead(Pb)	≤1mg/kg	Atomic Absorption
Cadmium(Cd)	≤1mg/kg	Atomic Absorption
Arsenic(As)	≤1mg/kg	Atomic Absorption
Mercury(Hg)	≤0.1mg/kg	Atomic Absorption

Total Microbiological Control	Specification	Method
Total plate Count	≤1000cfu/g	AOAC
Total Yeast and Mold Count(TYMC)	≤100cfu/g	AOAC
Bile-tolerant gram-negative bacteria	≤100cfu/g	AOAC
E. Coli	Negative	AOAC
Salmonella	Negative	AOAC
Staphylococcus	Negative	AOAC

Others:

Packaging:	20kg per PE drum bag outside (suitable for food stuff)
Storage:	keep away from strong light and heat; in cool, dry place; Full and tight package;
Shelf Years::	2 years after manufacturing date