

CERTIFICATE OF ANALYSIS

Product Name	Lutein Powder	Latin Name	<i>Tagetes erecta L</i>
Batch No	PY-LU20200705	Used Part	Flower
Quantity	1000KG	Analysis Date	Jul.08,2020
Mfg. Date	Jul.05,2020	Exp. Date	Jul.04,2022

No.	Item	Specification	Result
1.	Appearance	Orange yellow powder	Complies
2.	Odor & Taste	Characteristic	Complies
3.	Extract Solvent	N-hexane	Complies
4.	Total Carotenoids (UV)	≥5%	5.69%
5.	Lutein(HPLC)	Lutein≥5%	5.17%
6.	Zeaxanthin(HPLC)	----	0.37%
7.	Particle Size	≥95% pass 80mesh	Complies
8.	Loss on Drying	≤5.0%	3.51%
9.	Ash	≤5.0%	0.59%
10.	Heavy Metals	≤10ppm	<10ppm
11.	Pb	≤3ppm	0.07ppm
12.	As	≤1ppm	0.08ppm
13.	Cd	≤1ppm	<0.01ppm
14.	Hg	≤0.1ppm	<0.01ppm
15.	Solvent Residue	N-hexane≤50ppm	<12.3ppm
16.	Total Plate Count	≤1,000cfu/g	80cfu/g
17.	Yeasts & Molds	≤100cfu/g	20cfu/g
18.	E.Coli	Negative	Negative
19.	Salmonella	Negative	Negative
20.	Staphylococcus aureus	Negative	Negative

Stored with room temperature and without sunlight, frozen will be better. After opening, please use it immediately, if not please pack it in vaccum.

Conclusion: Conform with the specification.

Non-GMO, BSE/TSE FREE, NON-IRRADIATION

Analyst: xuli

QC: lixiaochen