

CERTIFICATE OF ANALYSIS

Product Name	Marigold Extract	Specification	Lutein liquid in sunflower oil
Batch No	PY-LU20190402	Analysis Date	Apr.05,2019
Mfg. Date	Apr.02,2019	Exp. Date	Apr.01,2021
Package	5kg/Aluminum Tin	Quantity	500kg

No.	Item	Specification	Result
1.	Appearance	Orange yellow or red yellow viscous oil	Complies
2.	Assay (by HPLC)	Lutein $\geq$ 10.0%	10.31%
3.	N-hexane	$\leq$ 50.0mg/kg	<50mg/kg
4.	Heavy Metals	$\leq$ 10ppm	<3ppm
5.	Pb	$\leq$ 3ppm	0.08mg/kg
6.	As	$\leq$ 3ppm	0.06mg/kg
7.	Cd	$\leq$ 1ppm	<0.01mg/kg
8.	Hg	$\leq$ 1ppm	<0.01mg/kg
9.	Total Plate Count	$\leq$ 5,000cfu/g	50cfu/g
10.	Yeasts & Molds	$\leq$ 500cfu/g	10cfu/g
11.	E.Coli	Negative	Negative
12.	Salmonella	Negative	Negative
13.	Staphylococcus aureus	Negative	Negative

Storage: Store with room temperature and without sunlight, frozen will be better.

Others: Please use it immediately after opening.

Conclusion: Conform with the Specification.

Analyst: xuli

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