



**Shandong Tianyin Biotechnology Co., Ltd.**  
ADD:Sanying road, Technology Industrial Zone, Zibo, Shandong, China

## Specification for Natural Lutein ester powder

### Natural Lutein Ester

Mol.Formula: C<sub>72</sub>H<sub>116</sub>O<sub>4</sub>

Molecular Weight:1045.71

CAS No. : 547-17-1

Botanical name:Marigold Flower

Part of plant used:Petal

### Specifications

ITEMS 检测项目	SPECIFICATION 技术指标
Description 性状	Orange powder 桔黄色粉末
Lutein esters content 叶黄素酯含量	≥5-65.0%
Loss on drying 干燥失重	≤1.0%
Ash 灰分	≤3.0%
N-hexane正己烷	≤10.0mg/kg
Lead (Pb)铅	≤1.0mg/kg
Arsenic (As) 砷	≤1.0mg/kg
Cadmium (Cr) 镉	≤1.0mg/kg
Mercury (Hg) 汞	≤0.1mg/kg
Total Plate Count 细菌总数	≤5000cfu/g
Yeasts and Moulds 霉菌酵母菌	≤200cfu/g
E.Coli 大肠杆菌	<10CFU/g
Salmonella 沙门氏菌	Negative
Staphylococcus aureus 金黄色葡萄球菌	<10CFU/g

### Shelf life

24 months after production date.

### Storage recommendation

Stored with room temperature and without sunlight,frozen will be better.

### Package

25kg plastic bucket (food grade).