

**KS**

Nutripharma

**陕西康盛生物技术有限公司**

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## Certificate of Analysis

<b>Product Name</b>	Lutein Oil (Marigold Extract)	<b>Botanic Name</b>	<i>Tagetes erecta L.</i>
<b>Part Used</b>	Flower	<b>Manufacture Date</b>	Dec.05, 2020
<b>Batch No.</b>	20201205-1	<b>Analysis Date</b>	Dec.06, 2020
<b>Quantity</b>	200KG	<b>Expiry Date</b>	Dec.04, 2023
<b>Original</b>			
<b>ITEMS</b>	<b>SPECIFICATIONS</b>	<b>RESULTS</b>	<b>METHODS</b>
<b>Assay (Lutein)</b>	≥20%	20.09%	HPLC
Appearance	Reddish Orange Oil	Complies	Visual
Odor	characteristic	Complies	Organoleptic
Residual Solvents (Hexane)	≤50 ppm	Complies	GC
<b>Heavy Metals</b>	≤ 10ppm	Complies	Colorimetry
Arsenic(As)	≤ 2ppm	Complies	AAS
Plumbum(Pb)	≤ 1ppm	Complies	AAS
Cadmium(Cd)	≤ 1ppm	Complies	AAS
Hydrargyrum(Hg)	≤ 0.5ppm	Complies	AAS
<b>Residual Pesticide</b>			
666	≤ 0.1ppm	Complies	GC
DDT	≤ 0.1ppm	Complies	GC
Acephate	≤ 0.1ppm	Complies	GC
Parathion	≤ 0.1ppm	Complies	GC
Methamidophos	≤ 0.1ppm	Complies	GC
<b>Microbiological Control</b>			
Total plate count	≤1000cfu/g	Complies	CP2010
Yeast & mold	≤100cfu/g	Complies	CP2010
Salmonella	Negative	Complies	CP2010
Escherichia coli	Negative	Complies	CP2010
<b>Storage:</b>	Store in cool & dry place, keep away from strong light and heat		
<b>Shelf life:</b>	24 months when properly stored		
<b>QC</b>	Wang Xianmei	<b>QA</b>	Li Yaqiang

