Chengdu PNP Biotech Co., Ltd.

No. 13, South Section 1, Second Ring Road
Suite 709, Wuhou District, Chengdu
Sichuan 610041, P.R. China
info@pnpbiotech.com
www.pnpbiotech.com

SPECIFICATION SHEET

Lutein Beadlets 5%

Product Name	Lutein Beadlets	**Country of Origin**	China
Botanical Source	*Tagetes erecta*	**Part Used**	Flower

Test Item	Specification	Test Method
Appearance	Orange-red granule	Visual
Odor & Taste	Characteristic	Organoleptic
Identification	Corresponding with RS	TLC
Lutein	≤ 5.0%	HPLC
Zeaxanthin	0.2 - 0.5%	HPLC
Particle Size	NLT 90% through 40 mesh	USP <786>
Loss on Drying	≤ 7.0%	USP <731>
Lead (Pb)	≤ 2.0 ppm	ICP-MS
Arsenic (As)	≤ 2.0 ppm	ICP-MS
Cadmium (Cd)	≤ 0.5 ppm	ICP-MS
Mercury (Hg)	≤ 0.1 ppm	ICP-MS
Standard Plate Count	≤ 10,000 cfu/g	USP <2021>
Total Yeast & Mold	≤ 1,000 cfu/g	USP <2021>
E. coli (in 10mL)	Negative	USP <2022>
Salmonella (in 10mL)	Negative	USP <2022>
S. aureus (in 10mL)	Negative	USP <2022>

Storage: Store in tightly sealed and preferably full containers in cool, dry and ventilated area.

Shelf Life: 24 months under above conditions, and kept in its unopened original packaging.

Prepared by: Mia Yu Approved by: Charlie Wang Date: Nov. 19, 2026