XI'AN LAND NUTRA CO.,LTD
Room 1202, Building 1, Vanke Huizhi Center, No. 56,
Xifeng Road, Yanta District, Xi'an City, Shaanxi Province,China

Technical Data Sheet

1. Product and Company Information

· **Product details:** Pea Protein
Botanical Name:*Pisum sativum* L.
INCI Name: Pisum Sativum (Pea) Protein
HS Code： 3504.00 (Pea protein isolate)
Manufacturer: Xi'an Land Nutra Co., Ltd.
Address: 12th Floor, Vanke Huizhi Center, Yanta District, Xi'an City, Shaanxi, China
Telephone:8615793152546
Email:jack@landnutra.com

2. TECHNICAL SPECIFICATIONS

Parameter	Specification	Test Method
Physical Properties		
Appearance	White to off-white or yellow crystalline powder	Visual
Odor	Odorless or with a faint characteristic odor	Organoleptic
Particle Size	95% < 100 mesh	Laser diffraction
Bulk Density	0.40-0.60 g/cm³	USP <616>
Chemical Properties		
Protein Content (N x 6.25, dry basis)	75% – 85%	≥ 85% – 90%
Related Substances	Total impurities ≤ 1.0%	HPLC
Loss on Drying	≤ 0.5%	USP <731>

3. COMPOSITION

Non-GMO: Applicable for synthetic grade.

Vegan: Yes (synthetic grade).

Halal/Kosher: Certificates available upon request.

4. PERFORMANCE CHARACTERISTICS

Dietary Supplements & Nutraceuticals: Capsules, tablets, and powder formulations
Food & Nutrition Markets: Functional foods and wellness products
Sports Nutrition: Joint support and recovery formulations
Muscle Support Products: Formulations targeting relaxation and restfulness

5. APPLICATION GUIDELINES

Recommended Usage Level:

Dietary Supplements: 0.5 - 10 mg per serving (comply with local regulations, e.g., EU Novel Food authorization limits).

Solubility: For aqueous systems, pre-dissolve in a small amount of ethanol, propylene glycol, or other suitable solvents. Can be directly added to oil phases with mild heating.

Compatibility: Compatible with most cosmetic oils, emollients, and emulsifiers. Check stability with specific active ingredients.

Processing Temperature: Stable below 150°C. Add in the cooling phase (<60°C) to prevent degradation.

pH Range: Most stable at pH 5.0 - 7.0. Avoid strongly acidic or alkaline conditions for prolonged periods.

Light Sensitivity: Photodegradable. Formulate in opaque packaging and consider photostabilizers.

6. STABILITY & STORAGE

Shelf Life: 24 months from date of manufacture
Storage Conditions:

Temperature: 15-25°C
Humidity: < 65% RH
Protection from light & moisture

Packaging: 25 kg/drum (food-grade PE bag + aluminum foil + fiber drum)

7. REGULATORY STATUS

Cosmetic Compliance: Meets EU Regulation (EC) No 1223/2009
Certifications Available:

Halal Certificate
Vegan Declaration
Non-GMO Statement
Allergen-Free Statement
Manufacturing Standards: ISO 22716 (Cosmetics GMP)