

TECHNICAL DATA SHEET

Pomegranate Extract Powder 100:1 • BLP-PGE-260915-25

1. PRODUCT IDENTITY

INCI: Punica Granatum Extract
CAS: 84961-57-9
Botanical source: Punica granatum L. (fruit)
Extract ratio: 100:1
Form: Fine pink powder, water-soluble
Batch size: 25 kg
Country of Origin: United States

2. FUNCTION

Concentrated botanical extract rich in polyphenols and ellagic acid. Used in cosmetic formulas for antioxidant, astringent and skin-conditioning positioning. Suitable for serums, creams, masks, toners and hair care. Natural pink color.

3. SPECIFICATIONS

Parameter	Specification
Appearance	Fine pink powder
Extract ratio	100:1
Solubility	Freely water-soluble
Total polyphenols	≥ 25 %
Ellagic acid (HPLC)	≥ 10 %
Loss on drying	≤ 5.0 %
Microbiology	TAMC < 1000 CFU/g; TYMC < 100 CFU/g; pathogens absent

4. FORMULATION GUIDANCE

Recommended use level: 0.5–3.0% of finished formula.
Incorporation: Dissolve in the aqueous phase. Water-soluble. Prefer cool-down addition.
Color: Natural pink. Intensity increases with dose and can shift slightly with pH.
Compatibility: Suitable for water-based serums, gels, emulsions and rinse-off products.

5. STORAGE & SHELF LIFE

Store tightly closed, cool, dry, protected from light and moisture, 15–25 °C. Shelf life 24 months from manufacture when stored as recommended. Lot BLP-PGE-260915-25 (batch size 25 kg) manufactured 15 September 2026, expires 15 September 2028.

6. REGULATORY

Cosmetic raw material only. Not a drug. Not for ingestion or injection. Complies with internal BeautyLabPro specification.