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TECHNICAL DATA SHEET / SPECIFICATION

Gardenia Stems GX • BLP-GSGX-260915-50

1. PRODUCT IDENTITY

INCI: Glycerin, Gardenia Jasminoides Meristem Cell Culture, Xanthan Gum

Form: Liquid active (aqueous glycerin dispersion)

Appearance: Yellow to brown liquid

Batch size: 50 kg

Country of Origin: United States

2. FUNCTION

Gardenia Stems GX is a stem-cell derived active from Gardenia jasminoides meristem culture. Positioned for anti-aging formulas: supports the appearance of firmer skin, helps protect the collagen network, brightens and evens tone. Suitable for serums, night creams, masks and lifting products.

3. SPECIFICATIONS

Parameter	Specification
Appearance	Yellow to brown liquid
pH (as is)	4.0 – 6.0
Solubility	Water-dispersible at pH ≤ 6
Microbiology	TAMC < 100 CFU/g; TYMC < 10 CFU/g; pathogens absent
Heavy metals (as Pb)	≤ 10 ppm

4. FORMULATION GUIDANCE

Recommended use level: 0.5–3.0% of finished formula.

Incorporation: Add during cool-down phase, below 50 °C. Water-dispersible; maintain pH ≤ 6 for best dispersion.

Compatibility: Suitable for serums, emulsions, gels and masks. Avoid prolonged high heat.

5. STORAGE & SHELF LIFE

Store tightly closed, cool, dry, protected from light, 15–25 °C. Shelf life 24 months from manufacture when stored as recommended. Lot BLP-GSGX-260915-50 (batch size 50 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 IngredientOS specification for Gardenia Stems GX.

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