

Technical Data Sheet

Avena Sativa Kernel Extract | 5.000% Epilobium Angustifolium Flower/Leaf/Stem Extract in Water + Propanediol + Glycerin Extract with Canadian Willowherb Extract

Product Code FL-EAE-W1-MBS4-5PCT-001-TDS

Current published version — subject to change.

This document is the current web-published revision. Specifications, classifications, and recommendations may be revised without notice as additional batch and analytical data become available. **For any shipment, the authoritative document is the revision packaged with your batch — refer to that version for the values that apply to the lot you receive.**

Product Overview

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|----------------------------------|--|
| Product Name | Avena Sativa Kernel Extract 5.000% Epilobium Angustifolium Flower/Leaf/Stem Extract in Water + Propanediol + Glycerin Extract with Canadian Willowherb Extract |
| Product Code / SKU | FL-EAE-W1-MBS4-5PCT-001-TDS |
| Document Revision | 0.1 |
| Effective Date | May 20, 2026 |
| Manufacturer | Formulate Labs, Inc. 1645 Headland Dr. Fenton, MO 63026 |
| Quality Contact | quality@formulate.co <i>Lot issues, complaints, contamination concerns, out-of-spec materials, COA discrepancies.</i> |
| Regulatory Contact | regulatory@formulate.co <i>INCI, allergens, IFRA, Prop 65, vegan/natural claims, compliance documents, formulation-use questions.</i> |
| Adverse Effects Reporting | safety@formulatelabs.ai |
| Emergency Phone Number | 888-999-2260 |

A 5.000% Epilobium Angustifolium Flower/Leaf/Stem Extract hydroglycerin stock prepared in water + propanediol + glycerin extract and preserved with Canadian Willowherb Extract at 2.000%. Ready-to-dilute aqueous botanical concentrate for cosmetic serums, toners, and emulsions.

Recommended Cosmetic INCI Declaration

Water, Propanediol, Glycerin, Epilobium Angustifolium Flower/Leaf/Stem Extract, Propanediol, Ethylhexylglycerin, Benzoic Acid

INCI ordering follows descending weight per FDA / EU cosmetic labeling convention; ingredients below 1% may appear in any order in the final label per local regulations. The process-integrated preservation system is disclosed in the SDS for industrial safety and formulation review. Finished-product manufacturers and brand owners remain responsible for final ingredient labeling determinations in each sale jurisdiction.

Composition / Information on Ingredients

| Ingredient / Chemical Name | CAS # | Function | % by Weight |
|--|-----------|--|-------------|
| Water | 7732-18-5 | Hydroglycerin carrier / solvent | 58.737% |
| Propanediol | 504-63-2 | Hydroglycerin carrier / solvent | 24.474% |
| Glycerin | 56-81-5 | Hydroglycerin carrier / solvent | 9.789% |
| Epilobium Angustifolium Flower/Leaf/Stem Extract | — | Botanical extract; bioactives include flavonoids, tannins, oenothien B | 5.000% |

| Ingredient / Chemical Name | CAS # | Function | % by Weight |
|----------------------------|------------|--|-------------|
| Propanediol | 504-63-2 | Preservative / antimicrobial component | 1.700% |
| Ethylhexylglycerin | 70445-33-9 | Preservative / antimicrobial component | 0.200% |
| Benzoic Acid | 65-85-0 | Preservative / antimicrobial component | 0.100% |

Preservation System

| System | Level | Notes |
|-----------------------------|--------|---|
| Canadian Willowherb Extract | 2.000% | Multifunctional aqueous preservation per supplier guidance. |

Preserved with Canadian Willowherb Extract at 2.000% in the aqueous stock.

Key Technical Attributes

| | |
|-----------------------------------|---|
| Format | Aqueous hydroglycerin cosmetic raw material |
| Appearance | Translucent to light amber liquid; may show slight botanical particulate haze |
| Odor | Characteristic mild herbal; no added fragrance |
| Preservation | Preserved with Canadian Willowherb Extract at 2.000% in the aqueous stock. |
| Target pH | 4.5–5.1 (target for preserved stock as shipped) |
| Solubility / Compatibility | Water-miscible hydroglycerin stock; dilutes into aqueous phases |
| Recommended Use Level | Typical finished-formula use: 0.5%–5.0% of this stock on an as-is basis in aqueous serums, toners, masks, and emulsions. Use levels are guidance only. |
| Processing | Add to aqueous or cool-down phases below 40 °C. Maintain finished-product pH within the preservative-valid range (4.5–5.1 typical for this stock). Validate compatibility with cationic polymers and high-surfactant systems independently. |
| Storage | Store tightly closed at room temperature, protected from direct sunlight and excessive heat. Refrigeration (2–8 °C) optional for extended color stability. Use within preservative-validated shelf life after opening. |
| Shelf Life | Anticipated unopened, refrigerated: 18-24 months. Anticipated unopened, controlled room temperature: 12-18 months. Open or in-use containers require site-specific microbial controls. Ranges represent the current published target and may be refined by future stability data. |

Formulation Guidance

- Hydroglycerin stock ships at 5% botanical extract loading — dilute into finished formulas as needed.
- Compatible with K-beauty cica / barrier-support positioning at typical use rates.
- Finished formulas must be independently preservative-validated if further diluted.
- Structure/function cosmetic claims only — avoid therapeutic or drug-like language.

Marketing / Claims Guidance

Appropriate cosmetic language may include soothing appearance, sensitive-skin tolerance, barrier-comfort positioning, and colloidal-oat heritage stories. **Avoid therapeutic claims** (treats eczema, cures dermatitis, heals wounds). Colloidal oat is a common trade/context name — Formulate Labs sells the INCI extract in our hydroglycerin stock, not supplier-branded colloidal-oat SKUs.

Regulatory Notes

- **Current published version — subject to change.** This document represents the current web revision. Specifications may be revised as additional batch and analytical data become available; the document packaged with each shipment is the authoritative version for the specific lot received.
- Recommended cosmetic INCI declaration is the descending-weight string listed above.

- SDS composition disclosure is provided for industrial safety, formulation review, and regional compliance assessment.
- No fragrance is intentionally added.
- **Not certified organic, kosher, halal, COSMOS, vegan, or non-GMO unless separately accompanied by a third-party certificate.** Suitability assessments based on the ingredient deck and supplier information are not equivalent to certifications.
- Component supplier data has been used in good faith; supplier-issued documents take precedence over individual statements above where a discrepancy exists.
- Finished-product manufacturers remain responsible for final product safety, claims, label compliance, regional restrictions, and preservative efficacy.