Ambroxan

High-purity ambergris-type aroma ingredient for fragrance formulation

Document reference	Revision	Issue date
KA-TDS-AMBROXAN	01	23 November 2026

1. Product Overview

Ambroxan is a high-impact, long-lasting amber-woody fragrance ingredient with an ambergris-like, musky character. It is used to provide depth, diffusion and substantive dry-down effects in fine fragrance and fragranced products. Performance depends on the complete formula and dosage.

2. Product Identity

Product: Ambroxan. **CAS:** 6790-58-5. **Manufacturer named on supplied COA:** Salus Nutra Inc. **Appearance:** white crystals. **Source batch:** 260301. **Intended application:** fragrance ingredient.

3. Technical Specifications

Property	Specification / supplied batch result
Assay (GC)	Min. 99.0% / batch result: 99.89%
Melting point	74-76 deg C / complies
Specific rotation	-21 to -24 degrees / batch result: -22 degrees
Loss on drying	Max. 0.5% / batch result: 0.06%
Ash	Max. 0.3% / batch result: 0.01%
Odor	Characteristic / complies

4. Applications & Starting Trial Levels

The ranges below are exploratory starting points for fragrance trials, not supplier-certified maximums or regulatory limits. All percentages refer to neat Ambroxan by weight of the fragrance concentrate, not the finished consumer product.

Application	Exploratory level (% w/w in fragrance concentrate)
Fine fragrance accords	0.1-2%
Amber / woody bases	1-5%
High-impact experimental accords	Up to 10%, subject to solubility and safety review

5. Formulation & Compatibility

Ethanol 99%: For a 10% w/w trial stock, weigh 10 g Ambroxan and 90 g ethanol. Add crystals gradually with stirring in a closed, suitable vessel. Allow sufficient time to dissolve; assess clarity and recrystallization after cooling and during storage. Keep away from ignition sources.

DPG (dipropylene glycol): For a 10% w/w trial stock, weigh 10 g Ambroxan and 90 g DPG. Mix until fully dissolved; mild controlled warming may help, but avoid excessive heating. Recheck clarity at room temperature and after cold storage.

Formulator checks: Test at intended concentration, verify solubility in the full fragrance base, inspect for crystals/haze, and assess odor balance and stability.

6. Storage

Store tightly sealed in a cool, dry place, protected from light, moisture and contamination. The supplied COA states a shelf life of 2 years when properly stored. Follow the applicable batch label and supplier safety data sheet for handling.