



True Terpenes are highly concentrated botanical (and some hemp-derived) aromatic compounds used to enhance flavour, aroma, and effects in products such as extracts/concentrates, vapes, flower/pre-rolls, edibles, tinctures, topicals, beverages, candles, and more.

They must always be diluted—never use them undiluted. Undiluted terpenes are potent and can be hazardous if inhaled, ingested, or applied to skin directly.

Key Safety Guidelines

- Work in a well-ventilated area.
- Wear appropriate PPE.
- Avoid contact with skin, eyes, wood, and fabrics.
- Keep out of reach of children and pets.
- Store properly (cool, dark, sealed) to maintain integrity; unopened shelf life is generally about 1 year from manufacture/purchase unless otherwise noted.
- Start low and increase gradually based on testing and preference.

Recommended Dilution / Concentration

General guideline: **1–5% terpenes by volume** (or by weight for precision) in the final product. Many users start below 1% and adjust upward. Maximum suggested for strain profiles, flavours, isolates combined, etc., is typically 5% total added terpenes.

If using Flow Extract Liquidizer (a viscosity/thinning agent), limit to a maximum of ~5% terpenes + ~5% Flow.

Approximate amounts (terpene density is roughly 0.83 g/mL; measure by weight for best accuracy when possible):

Target %	Per 1 g base	Per 100 g base	Per 1,000 g base
1%	~0.0105 g / 0.0126 mL	~1.05 g / 1.26 mL	~10.5 g / 12.6 mL
2%	~0.021 g / 0.0252 mL	~2.1 g / 2.52 mL	~21 g / 25.2 mL
3%	~0.0315 g / 0.0378 mL	~3.15 g / 3.78 mL	~31.5 g / 37.8 mL
4%	~0.042 g / 0.0504 mL	~4.2 g / 5.04 mL	~42 g / 50.4 mL
5%	~0.053 g / 0.0636 mL	~5.3 g / 6.36 mL	~53 g / 63.6 mL



Solubility Notes

Terpenes are oils and mix well with other oils (MCT, olive, jojoba, hemp seed, PG in limited amounts, extracts/concentrates). They do **not** mix with water or VG without an emulsifier (e.g., lecithin). Alcoholic beverages have limited solubility—use sparingly (often <1 drop per glass, swirl to incorporate).

General Mixing Steps (Especially for Extracts & Concentrates)

1. Calculate the desired percentage and measure terpenes accurately (preferably by weight).
2. Gently warm the base extract/concentrate if needed for fluidity (keep temperatures low—typically under ~60°C / 140°F—to preserve terpenes; follow product-specific guidance).
3. Add terpenes slowly to the base.
4. Mix thoroughly using a glass/stainless tool, magnetic stirrer, or homogenizer until homogeneous.
5. (Optional) Allow the blend to rest/steep sealed for several hours to 24 hours so flavours “marry.”
6. Test a small batch, then scale. Adjust viscosity if needed with Flow (1–5%) or similar natural options.

For flower/pre-rolls, terpenes or Flow can be used in infusion processes). For edibles, tinctures, topicals, or beverages, dilute into suitable carriers/oils and ensure even distribution (emulsify for water-based items).

Product-Specific Tips

- **Strain profiles / Cultivar Series / Flavour Infused / Live Resin:** Ideal for authentic cannabis-like aroma/flavour in vapes, concentrates, flower, etc. Cap total added terpenes at ~5%.
- **Isolates:** Start even lower (<1% of any single isolate) when building custom blends.
- **Modifiers** (e.g., cooling, skunk, sweet): Use like other terpenes—start small and pair with existing profiles.
- **Flow:** Blend 1–5% for thinning/viscosity control without strongly altering flavour.

Official resources: trueterpenes.com/faqs and the How-To blog category.

<https://trueterpenes.com/videos-podcasts/infuse-your-pre-rolls/>

<https://www.youtube.com/watch?v=H-VJFmgJlul>