



Cannabinoid Nano Emulsion for Beverages and Edibles

WATER-SOLUBLE · SHELF-STABLE · TASTE-FREE

Elevate your beverage line with nanoFlow – the premium THC nano emulsion engineered for seamless integration into commercial drinks.



KEY SPECIFICATIONS

Cannabinoid Load	10% or 20% solutions
Droplet Size	<40 nm (target) – COA available
PDI	0.0850
Zeta Potential	> 30 mV (high stability)
Appearance	In beverage Crystal-clear, no ring or separation

OPERATIONAL FIT

Mixing	Cold-water dispersible (no high-shear)
Storage	Ambient (cool, dark recommended)
MOQ	100,000mg active cannabinoid
Pricing Model	Per mg of active cannabinoid prices as low as .004 cents per milligram

PROVEN STABILITY IN BEVERAGE CONDITIONS

- ✓ pH 3–4 (acidic sodas, energy drinks)
- ✓ Carbonation (high-pressure CO₂ compatible)
- ✓ Thermal Processing (pasteurization, hot-fill). Stable at temperatures up to 350 degrees Fahrenheit

PACKAGING COMPATIBILITY

- ✓ Aluminum cans (epoxy liners)
- ✓ Glass
- ✓ PET

COMPOSITION & SAFETY

- ✓ All-Natural or Hemp-Derived Options
- ✓ GRAS emulsifiers & carriers
- ✓ Full COA Panel: Cannabinoids, microbes, heavy metals, pesticides, residual solvents

SUPPORT SERVICES

- ✓ R&D formulation assistance
- ✓ Pilot batch collaboration
- ✓ Sensory & QA tasting matrix
- ✓ Regulatory documentation package
- ✓ Custom cannabinoid blends available