





| All-In-One NanoStabilizer® Family of Products <ul style="list-style-type: none"> • Convert bioactive oil extracts into water-soluble nanoemulsions • Proprietary all-in-one formulations | NanoStabilizer®-LT  | NanoStabilizer®-LSO  |
|---|---|---|
| Equipment required | <ul style="list-style-type: none"> • LSP-600, BSP-1200 or ISP-3600 ultrasonic processor • 220 nanometer filter | <ul style="list-style-type: none"> • LSP-600, BSP-1200 or ISP-3600 ultrasonic processor • 1 micron filter • Drying equipment (if making water-soluble powder) |
| Enabled nanoemulsion types | • Liquid | • Powder or Liquid |
| Median droplet size of resulting nanoemulsion | • d50 ~ 25 nm | • d50 ~ 150 nm (reconstituted in water) |
| Nanoemulsion translucency | • High (up to 50 mg/ml concentration) | • Low |
| Visual effect on dosed finished product | • None (clear) in most products | • Moderate |
| Documentation (provided with purchase) | <ul style="list-style-type: none"> • Standard Operating Procedures (SOP) • Certificate of Analysis (COA) • Specification Sheet with ingredients list (SS) | <ul style="list-style-type: none"> • Standard Operating Procedures (SOP) • Certificate of Analysis (COA) • Specification Sheet with ingredients list (SS) |
| Bioactive extract compatibility (partial list) | <ul style="list-style-type: none"> • Full- and broad-spectrum oils • Distillates • Isolates • Vitamins • Essential oils • Terpenes • Pharmaceuticals • Nutraceuticals | <ul style="list-style-type: none"> • Full- and broad-spectrum oils • Distillates • Isolates • Vitamins • Essential oils • Terpenes • Pharmaceuticals • Nutraceuticals |
| Recommended ratio of NanoStabilizer® to bioactive extract | • 5 : 1 | • 4 : 1 |
| NanoStabilizer® taste | • None (tasteless) | • None (tasteless) |
| NanoStabilizer® shelf life | • 1 year, stored at 4 – 10 °C | • 1 year, stored at 4 – 10 °C |
| Stability of resulting nanoemulsions | • Permanent kinetic stability | • Permanent kinetic stability |
| Concentration flexibility of bioactive extract in resulting nanoemulsions | • Highly flexible | • Highly flexible |
| Ingredients | • GRAS (food grade, mild) | • All-natural and organic |
| List price at lowest volume | • \$1.00/gram Scan to view detailed pricing:  | • \$0.75/gram Scan to view detailed pricing:  |
| Finished nanoemulsion tolling/contract manufacturing at Industrial Sonomechanics | • Available | • Available |

Contact our sales team to learn more or request a quotation:

Tel: 786.233.9255 | E-mail: contact@sonomechanics.com

Website: Sonomechanics.com