



NANOSTABILIZER® PRODUCTS COMPARISON CHART

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-3000 ultrasonic processor • 220 nanometer filter 	<ul style="list-style-type: none"> • LSP-600, BSP-1200 or ISP-3000 ultrasonic processor • 1.2 micron filter • Drying equipment (if making water-soluble powder)
Enabled nanoemulsion types	<ul style="list-style-type: none"> • Liquid 	<ul style="list-style-type: none"> • Powder or Liquid
Median droplet size of resulting nanoemulsion	<ul style="list-style-type: none"> • d50 ~ 25 nm 	<ul style="list-style-type: none"> • d50 ~ 150 nm (reconstituted in water)
Nanoemulsion translucency	<ul style="list-style-type: none"> • High (up to 50 mg/ml concentration) 	<ul style="list-style-type: none"> • Low
Visual effect on dosed finished product	<ul style="list-style-type: none"> • None (clear) in most products 	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 5 : 1 	<ul style="list-style-type: none"> • 4 : 1
NanoStabilizer® taste	<ul style="list-style-type: none"> • None (tasteless) 	<ul style="list-style-type: none"> • None (tasteless)
NanoStabilizer® shelf life	<ul style="list-style-type: none"> • 1 year, stored at 4 – 10 °C 	<ul style="list-style-type: none"> • 1 year, stored at 4 – 10 °C
Stability of resulting nanoemulsions	<ul style="list-style-type: none"> • Permanent kinetic stability 	<ul style="list-style-type: none"> • Permanent kinetic stability
Concentration flexibility of bioactive extract in resulting nanoemulsions	<ul style="list-style-type: none"> • Highly flexible 	<ul style="list-style-type: none"> • Highly flexible
Ingredients	<ul style="list-style-type: none"> • GRAS (food grade, mild) 	<ul style="list-style-type: none"> • All-natural and organic
List price at lowest volume (click button for detailed pricing)	<ul style="list-style-type: none"> • \$1.00/gram <div data-bbox="803 1654 1031 1717"> Click to order NanoStabilizer®-LT </div>	<ul style="list-style-type: none"> • \$0.75/gram <div data-bbox="1266 1654 1494 1717"> Click to order NanoStabilizer®-LSO </div>
Finished nanoemulsion tolling/contract manufacturing at Industrial Sonomechanics	<ul style="list-style-type: none"> • Available 	<ul style="list-style-type: none"> • Available

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

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

Website: Sonomechanics.com