







All-In-One NanoStabilizer® Family of Products <ul style="list-style-type: none"> • Convert bioactive extracts into water-soluble nanoemulsions • Proprietary all-in-one formulations 	NanoStabilizer®-LT 	NanoStabilizer®-LSO 	NanoStabilizer®-LSTM 
Equipment required	<ul style="list-style-type: none"> • LSP-600, BSP-1200 or ISP-3600 ultrasonic processor, high-pressure homogenizer or similar • 220 nanometer filter 	<ul style="list-style-type: none"> • LSP-600, BSP-1200 or ISP-3600 ultrasonic processor, high-pressure homogenizer or similar • 1 micron filter • Drying equipment (if making water-soluble powder) 	<ul style="list-style-type: none"> • LSP-600, BSP-1200 or ISP-3600 ultrasonic processor, high-pressure homogenizer or similar • 1 micron filter • Drying equipment (if making water-soluble powder)
Enabled nanoemulsion types	• Liquid	• Powder or Liquid	• Powder or Liquid
Median droplet size of resulting nanoemulsion	• d50 ~ 25 nm	• d50 ~ 150 nm	• d50 ~ 60 - 300 nm (depending on mushroom extract type)
Nanoemulsion translucency	• High (up to 50 mg/ml concentration)	• Low	• Moderate
Visual effect on dosed finished product	• None (clear) in most products	• Moderate	• Minor
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) 	<ul style="list-style-type: none"> • Standard Operating Procedures (SOP) • Certificate of Analysis (COA) • Specification Sheet with ingredients list (SS)
Bioactive compatibility (partial list)	<ul style="list-style-type: none"> • Full- and broad-spectrum oils • Distillates • Isolates • Vitamins (oil-soluble) • Essential oils • Terpenes • Pharmaceuticals • Nutraceuticals 	<ul style="list-style-type: none"> • Full- and broad-spectrum oils • Distillates • Isolates • Vitamins (oil-soluble) • Essential oils • Terpenes • Pharmaceuticals • Nutraceuticals 	• Mushroom extracts
Recommended ratio of NanoStabilizer® to bioactive extract	• 5 : 1	• 4 : 1	• 4 : 1
NanoStabilizer® taste	• None (tasteless)	• None (tasteless)	• None (tasteless)
NanoStabilizer® shelf life	• 1 year, stored at 4 – 10 °C	• 1 year, stored at 4 – 10 °C	• 1 year, stored at 4 – 10 °C
Stability of resulting nanoemulsions	• Permanent kinetic stability	• Permanent kinetic stability	• Permanent kinetic stability
Concentration flexibility of bioactive in resulting nanoemulsions	• Highly flexible	• Highly flexible	• Highly flexible
Ingredients	• GRAS (food grade, mild)	• All-natural and organic	• All-natural
List price at lowest volume	• \$1.00/gram Scan to view detailed pricing: 	• \$0.75/gram Scan to view detailed pricing: 	• \$0.75/gram Scan to view detailed pricing: 
Finished nanoemulsion tolling/ contract manufacturing at Industrial Sonomechanics	• Available	• 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