



Big Sur Scientific LLC

The BSS 3000 Hemp Analyzer

Measure Hemp Potency Accurately in 2 Minutes!



- **Accurate** – Total THC accuracy of 0.04 weight percent.
- **Fast and Easy** – Push button operation measures Total THC and other cannabinoids in 2 minutes.
- **Representative Results** – Easily analyze multiple portions of samples and average to obtain truly representative results.
- **Little Sample Preparation** – Samples only need to be ground for 1 minute to be analyzed.
- **Save Time and Money** – No need to send samples to outside labs for slow and expensive analysis. Do it yourself and get immediate results.

How Does the Hemp Industry Uses the BSS 3000 Hemp Analyzer?

1. **Growers** – Measure Total THC and other cannabinoids in plant material to determine compliance, harvest time, optimize growing conditions, and characterize strains.
2. **Extractors** – Measure cannabinoid profiles on bud, trim, oil, and distillates for increased quality, better process control, and to minimize CBD Throw Away.
3. **Edibles Manufacturers** – Measure potency and terpenes on the oil added to infused products to insure product quality.
4. **Buyers/Brokers** – Analyze onsite to set the right purchase price.

How it Works

The BSS 3000 Hemp Analyzer uses the amount of mid-infrared (MIR) light absorbed by a sample to measure the amounts of cannabinoids in samples. Using MIR light maximizes both sensitivity and selectivity, which is why we can quantitate both acid and non-acid cannabinoids.

Specifications

Sample Types	Dried Hemp, hemp extracts, and distillates
Cannabinoids Quantitated	Total THC, THC, THCA, CBDA, CBD, Total CBD, CBGA, and CBC
Technique	Mid-Infrared
Algorithm	Partial Least Squares
Accuracy	0.04 wt. % Total THC
Weight	2 lbs.
Dimensions	6" x 3.5" x 5"
Power	110 V AC
Software	Big Sur Scientific Hemp Analyzer Software running on Microsoft Surface Go Tablet computer (included). Windows 10 operating system.
Sample Size	5-10 milligrams