



PURPL SCIENTIFIC

PRODUCT COMPARISON

INFOGRAPHIC

version 1.1000

Get to know the various products on the market today for Cannabis Potency Measurement!

Cannabis Potency Measurement PRODUCT COMPARISON

Purpl PRO Competitive Comparison

PRODUCT	Purpl PRO	MyDx	tCheck	GemmaCert	Sage Beacon	Orange Photonics	HiGrade	HPLC / GC
System Cost	\$1,495	\$700	\$480	\$4,000	\$24,000	\$13,500	\$60	\$15,000 - \$120,000
Additional Charges	\$0	\$70/sensor + \$2/test	\$200/9 tests	\$100/month	unknown	\$1,000 per year calibration, \$125/25 tests, \$900 terpene module	unknown	Solvents, calibrants, trained operators
Technology	NIR	Electronic nose	UV	NIR	NIR	TLC	Visual	Chromatography
Where this tech is employed commercially	Commercial agriculture, pharmaceutical manufacturing, food & beverage	Research	Research	Commercial agriculture, pharmaceutical manufacturing, food & beverage	Commercial agriculture, pharmaceutical manufacturing, food & beverage	Analytical Labs	Visual Inspection	Analytical Labs
Sample Preparation	Grinding	Grinding	Liquid dilution, grinding, mixing	none	Grinding	Liquid dilution, grinding, mixing	none	Liquid dilution, grinding, mixing
Portability	Handheld	Handheld	Handheld	Table-Top	Table-Top	Table-Top	Handheld	Table-Top
Accuracy	THC +/- 1.89% CBD +/- 0.96%	20% of reading (target)	Stated +/- 15%	20% of reading	+/- 3%	+/- 2-3%	+/- 3%	variable
Time / Test	5 seconds	60 seconds	60 seconds	60 - 120 seconds	10 seconds	600 seconds (10 minutes)	30 seconds	600 - 1,800 seconds (10 - 30 minutes)
What is measured	THC, CBD <i>moisture (upcoming)</i> <i>water activity (upcoming)</i>	*Important chemicals in cannabis*	THC or CBD	THC, CBD	THC, CBD	THC, CBD, CBN, CBG. Terpenes +CBC via expansion module	THC	Most/all cannabinoids and terpenes

