

Table 1. Average expected costs of implementing a compliant cannabis testing laboratory

Item	Cost	Cost + Std Deviation
One-time costs		
Cannabis testing equipment costs		
High-performance liquid chromatography (HPLC)	\$85,195	\$105,456
Inductively coupled plasma mass spectrometry (ICP-MS)	\$259,874	\$271,748
Liquid chromatography-mass spectrometry (LCMS)	\$502,807	\$553,062
Gas chromatography-mass spectrometry (GCMS)	\$375,258	\$383,791
Non-molecular automated systems testing (Microbials)	\$600,000	\$600,000
Moisture balance (MB)	\$9,994	\$11,013
Facility build out at CRA building	\$300,000	\$300,000
ISO Implementation / protocols	\$249,257	\$273,613
Method Validations	\$250,000	\$250,000
	Total one-time costs:	\$2,748,683
Annual Costs		
Compliance with ISO/IEC 17025 Standards	\$24,990	\$25,567
Maintenance	\$347,785	\$497,951
Lab costs	\$51,667	\$80,635
Rental space cost	\$33,265	\$33,265
Annual Salary / Benefits		
State Division Administrator (1) - needed year 1	\$283,959	\$283,959
Laboratory Scientist Manger-14 (1) - needed year 1	\$205,706	\$205,706
Laboratory Evaluation Specialist 12 (1)	\$177,365	\$177,365
Laboratory Technician 8-10 (2)	\$281,180	\$281,180
Laboratory Assistant 6-8 (1)	\$119,849	\$119,849
•Pay / Benefits accurate of 7/14/2022 and reflect the 5% wage increase (Oct 2022) and *1.82 benefit considerations + \$20k fixed costs (+ \$5k for transportation where applicable)	Total annual costs:	\$1,705,477

52
36

1872

sq ft 33265.44