Analyte List

Executive Summary

Medicinal and Adult-Use Cannabis is legal within the exterior boundaries of the White Earth Band of Ojibwe Nation, it is also legal in the State of Minnesota. It is imperative that analyte testing is standardized for Tribal Nations and States to advance public health and safety goals while also facilitating inter-Tribal and interstate commerce of safe cannabis products. In accordance with the Medicinal Cannabis Control Commission Regulations, section 4.20, 5., an analytes testing list is to be provided.

Cannabinoid Profile

Analyte	Method/Technology	Report Limit
Cannabidiol (CBD)	HPLC/UC	0.0020 % by Weight
Delta-9 Tetrahydrocannabinol (Δ9-THC)	HPLC/UC	0.0020 % by Weight
Cannabinol (CBN)	HPLC/UC	0.0020 % by Weight
Cannabichromene (CBC)	HPLC/UC	0.0020 % by Weight
Delta-9 Tetrahydrocannabinolic Acid (Δ9-THCA)	HPLC/UC	0.0020 % by Weight
Cannabidiolic Acid (CBDA)	HPLC/UC	0.0020 % by Weight
Cannabigeriol (CBG)	HPLC/UC	0.0020 % by Weight
Cannabigeriolic Acid (CBGA)	HPLC/UC	0.0020 % by Weight
Delta-8 Tetrahydrocannabinol (Δ8-THC)	HPLC/UC	0.0020 % by Weight

Metals Profile

Analyte	Method/Technology	Report Limit
Arsenic	EPA Method 6010D	Products - 1.0 ppm
Arsenic	EPA Method 6020B	Flower - 0.25 ppm

Cadmium	EPA Method 6010D	Products - 0.10 ppm
Cadmium	EPA Method 6020B	Flower - 0.10 ppm
Lead	EPA Method 6010D	Products - 0.75 ppm
Lead	EPA Method 6020B	Flower - 0.13 ppm
Mercury	EPA Method 6010D	Products - 0.50 ppm
Mercury	EPA Method 6020B	Flower - 0.10 ppm

Pesticide Residues and Plant Growth Regulators

Analyte	Method/Technology	Report Limit
Pesticide Screen*	LC-MS/MS	See Attachment 'Pesticide List'
Pesticide Quantitation**	LC_MS/MS	See Attachment 'Pesticide List'

***Analytes to be determined**
****All pesticide hits must be quantitated**

Residual

Analyte	Method/Technology	Report Limit
Methanol	Under Method Development	Under Method Development
Ethanol	GC-FID	0.0039 % by weight
Pentane	GC-FID	0.0031 % by weight
Other: n-Hexane	GC-FID	0.0032 % by weight

Microbiological Contaminants*

***Analytical methods for enumerating identifying specific microbiological contaminates must be consistent with United States Pharmacopeia (UPS) 36. Chapters 61 and 62.**

Analyte	Method/Technology	Report Limit
Total Viable Aerobic Bacteria	AOAC 990.12 (3M Petrifilm)	Products – 120 CFU/gram Flower – 250 CFU/gram
Total Yeast and Mold	AOAC 997.02 (3M Petrifilm)	Products – 5 CFU/gram Flower – 10 CFU/gram
Total Coliforms	AOAC 991.14 (3M Petrifilm)	Products – 5 CFU/gram Flower – 9 CFU/gram
Bile Tolerant Gram-Negative Bacteria	AOAC 2003.01 (3M Petrifilm)	Products – 75 CFU/gram Flower – 150 CFU/gram
E. Coli	AOAC 991.14 (3M Petrifilm)	Products – 5 CFU/gram Flower – 1 CFU/gram

Salmonella spp.	AOAC 2014.01 (3M Petrifilm)	Products – 1 CFU/gram Flower – 1 CFU/gram

Mycotoxins**

****Analytical methods for enumerating identifying specific mycotoxins must be consistent with United States Pharmacopeia (USP) 36. Chapter 561.**

Analyte	Method/Technology	Report Limit
Alfatoxin B1	LC-MS/MS	3.0 ppb
Alfatoxin B2	LC-MS/MS	3.0 ppb
Alfatoxin G1	LC-MS/MS	3.0 ppb
Alfatoxin G2	LC-MS/MS	6.0 ppb
Alfatoxin Ochratoxin-A	LC-MS/MS	20 ppb