IOWA Health and Human Services

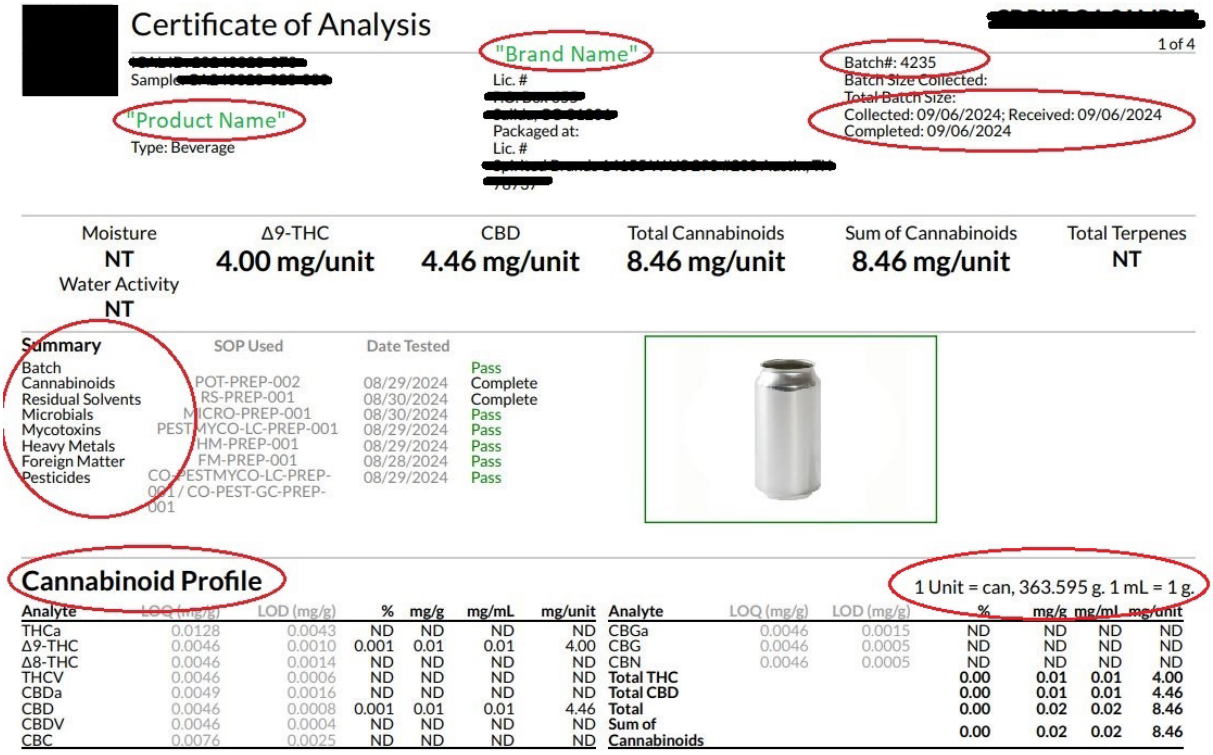
Certificate of Analysis (COA) Requirements for Consumable Hemp Products

This guide is provided to Consumable Hemp Registrants to help them understand Certificate of Analysis (COA) requirements for consumable hemp products in Iowa. The COA is an official document released by an Accredited Laboratory (ISO 17025) following the analysis of a consumable hemp product. The COA must contain compliant information and satisfy all requirements pursuant to rule (641 IAC 156).It is the responsibility of the Registrant to ensure the submission of an accurate and compliant COA.

Required COA information includes: (641-156.3 & 156.4)

- ✓ Brand Name
- ✓ Product Name
- ✓ Serving and container size
- ✓ Lot number for the batch Issue date within one year
- ✓ Cannabinoid content for which the product is being marketed
- ✓ Passing test results indicating less than trace amounts of pesticides, residual solvents, metals, harmful pathogens, and toxicants
- ✓ Indication of non-detect for synthetic or semisynthetic cannabinoids

An example of a COA containing the required information is provided below:



[redacted] Certificate of Analysis

[redacted]

Sample[redacted]

"Product Name"

Type: Beverage

"Brand Name"

Lic. # [redacted]

[redacted]

Packaged at:

Lic. # [redacted]

[redacted]

[redacted]

1 of 4

Batch#: 4235

Batch Size Collected:

Total Batch Size:

Collected: 09/06/2024; Received: 09/06/2024

Completed: 09/06/2024

Moisture	Δ9-THC	CBD	Total Cannabinoids	Sum of Cannabinoids	Total Terpenes
NT	4.00 mg/unit	4.46 mg/unit	8.46 mg/unit	8.46 mg/unit	NT

Water Activity NT

Summary	SOP Used	Date Tested	
Batch			Pass
Cannabinoids	POT-PREP-002	08/29/2024	Complete
Residual Solvents	RS-PREP-001	08/30/2024	Complete
Microbials	MICRO-PREP-001	08/30/2024	Pass
Mycotoxins	PESTMYCO-LC-PREP-001	08/29/2024	Pass
Heavy Metals	HM-PREP-001	08/29/2024	Pass
Foreign Matter	FM-PREP-001	08/28/2024	Pass
Pesticides	CO-PESTMYCO-LC-PREP-001 / CO-PEST-GC-PREP-001	08/29/2024	Pass

Cannabinoid Profile

1 Unit = can, 363.595 g. 1 mL = 1 g.

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	mg/mL	mg/unit	Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	mg/mL	mg/unit
THCa	0.0128	0.0043	ND	ND	ND	ND	CBGa	0.0046	0.0015	ND	ND	ND	ND
Δ9-THC	0.0046	0.0010	0.001	0.01	0.01	4.00	CBG	0.0046	0.0005	ND	ND	ND	ND
Δ8-THC	0.0046	0.0014	ND	ND	ND	ND	CBN	0.0046	0.0005	ND	ND	ND	ND
THCV	0.0046	0.0006	ND	ND	ND	ND	**Total THC**			**0.00**	**0.01**	**0.01**	**4.00**
CBDa	0.0049	0.0016	ND	ND	ND	ND	**Total CBD**			**0.00**	**0.01**	**0.01**	**4.46**
CBD	0.0046	0.0008	0.001	0.01	0.01	4.46	**Total Cannabinoids**			**0.00**	**0.02**	**0.02**	**8.46**
CBDV	0.0046	0.0004	ND	ND	ND	ND	**Sum of Cannabinoids**			**0.00**	**0.02**	**0.02**	**8.46**
CBC	0.0076	0.0025	ND	ND	ND	ND							