Columbia LABORATORIES
A Tentamus Company

12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number:	25-003525/D001.R000
Report Date:	04/10/2025
ORELAP#:	OR100028
Purchase Order:	
Received:	04/03/25 11:09

Customer:	NW Natural Goods United States of America (USA)
Product Identity:	HEMP - HB 0115
Metrc ID:	.
Metrc Source ID:	
Material:	Cannabinoid Edible
Sample Date:	
Laboratory ID:	25-003525-0001
Evidence of Cooling:	No
Temp:	19.8 °C
Serving Size #1:	4 g

Sample Results

Potency **Method:** J AOAC 2015 V98-6 (mod)* **Batch:** 2502511 **Analyze:** 2025-04-07 17:04:00

Analyte	Result	Units	LOQ	Notes	Serving Size #1 Result	Serving Size #1 Units	Serving Size #1 LOQ
CBC	0.00588	%	0.0032		0.235	mg/4g	0.127
CBC-A	< LOQ	%	0.0032		< LOQ	mg/4g	0.127
CBC-Total	< LOQ	%	0.0059		< LOQ	mg/4g	0.238
CBD+	0.620	%	0.0032		24.8	mg/4g	0.127
CBD-A+	< LOQ	%	0.0032		< LOQ	mg/4g	0.127
CBD-Total+	0.620	%	0.0059		24.8	mg/4g	0.238
CBDV	0.00505	%	0.0032		0.202	mg/4g	0.127
CBDV-A	< LOQ	%	0.0032		< LOQ	mg/4g	0.127
CBDV-Total	< LOQ	%	0.0059		< LOQ	mg/4g	0.237
CBE	< LOQ	%	0.0032		< LOQ	mg/4g	0.127
CBG	0.0187	%	0.0032		0.749	mg/4g	0.127
CBG-A	< LOQ	%	0.0032		< LOQ	mg/4g	0.127
CBG-Total	0.0187	%	0.0059		0.748	mg/4g	0.237
CBL	< LOQ	%	0.0032		< LOQ	mg/4g	0.127
CBL-A	< LOQ	%	0.0032		< LOQ	mg/4g	0.127
CBL-Total	< LOQ	%	0.0059		< LOQ	mg/4g	0.238
CBN	< LOQ	%	0.0032		< LOQ	mg/4g	0.127
CBT	< LOQ	%	0.0032		< LOQ	mg/4g	0.127
Δ10-THC-9R	< LOQ	%	0.0032		< LOQ	mg/4g	0.127
Δ10-THC-9S	< LOQ	%	0.0032		< LOQ	mg/4g	0.127
Δ10-THC-Total	< LOQ	%	0.0063		< LOQ	mg/4g	0.253
Δ8-THC+	< LOQ	%	0.0032		< LOQ	mg/4g	0.127
Δ8-THCV	< LOQ	%	0.0032		< LOQ	mg/4g	0.127
Δ9-THC+	< LOQ	%	0.0032		< LOQ	mg/4g	0.127
Δ9-THC-A+	< LOQ	%	0.0032		< LOQ	mg/4g	0.127
Δ9-THC-Total+	< LOQ	%	0.0059		< LOQ	mg/4g	0.238
Δ9-THCP	< LOQ	%	0.0032		< LOQ	mg/4g	0.127
Δ9-THCV	< LOQ	%	0.0032		< LOQ	mg/4g	0.127
Δ9-THCV-A	< LOQ	%	0.0032		< LOQ	mg/4g	0.127
Δ9-THCV-Total	< LOQ	%	0.0059		< LOQ	mg/4g	0.237

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Potency

Method: J AOAC 2015 V98-6 (mod)▷ **Batch:** 2502511 **Analyze:** 2025-04-07 17:04:00

Analyte	Result	Units	LOQ	Notes	Serving Size #1 Result	Units	LOQ
exo-THC	< LOQ	%	0.0032		< LOQ	mg/4g	0.127
Total Cannabinoids	0.650	%			26.0	mg/4g	

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2502422	04/06/25	AOAC 990.12 (Petrifilm)		
E.coli	< LOQ		cfu/g	10	2502420	04/06/25	AOAC 991.14 (Petrifilm)		
Total Coliforms	< LOQ		cfu/g	10	2502420	04/06/25	AOAC 991.14 (Petrifilm)		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2502421	04/07/25	AOAC 2014.05 (RAPID)		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2502421	04/07/25	AOAC 2014.05 (RAPID)		

Solvents

Method: Residual Solvents by HS-GC-MS▷ **Units** µg/g **Batch** 2502561 **Analyze** 04/09/25 01:04 PM

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane⊥	< LOQ	380	100	pass		2-Butanol⊥	< LOQ	5000	200	pass	
2-Ethoxyethanol⊥	< LOQ	160	30.0	pass		2-Methylbutane (Isopentane)⊥	< LOQ		200		
2-Methylpentane⊥	< LOQ		30.0			2-Propanol (IPA)⊥	< LOQ	5000	200	pass	
2,2-Dimethylbutane⊥	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)⊥	< LOQ		200		
2,3-Dimethylbutane⊥	< LOQ		30.0			3-Methylpentane⊥	< LOQ		30.0		
Acetone⊥	< LOQ	5000	200	pass		Acetonitrile⊥	< LOQ	410	100	pass	
Benzene⊥	< LOQ	2.00	1.00	pass		Butanes (sum)⊥	< LOQ	5000	400	pass	
Cyclohexane⊥	< LOQ	3880	200	pass		Ethyl acetate⊥	< LOQ	5000	200	pass	
Ethyl benzene	< LOQ		200			Ethyl ether⊥	< LOQ	5000	200	pass	
Ethylene glycol⊥	< LOQ	620	200	pass		Ethylene oxide⊥	< LOQ	50.0	20.0	pass	
Hexanes (sum)⊥	< LOQ	290	150	pass		Isopropyl acetate⊥	< LOQ	5000	200	pass	
Isopropylbenzene (Cumene)⊥	< LOQ	70.0	30.0	pass		m,p-Xylene⊥	< LOQ		200		
Methanol⊥	< LOQ	3000	200	pass		Methylene chloride⊥	< LOQ	600	60.0	pass	
Methylpropane (Isobutane)⊥	< LOQ		200			n-Butane⊥	< LOQ		200		
n-Heptane⊥	< LOQ	5000	200	pass		n-Hexane⊥	< LOQ		30.0		
n-Pentane⊥	< LOQ		200			o-Xylene⊥	< LOQ		200		
Pentanes (sum)⊥	< LOQ	5000	600	pass		Propane⊥	< LOQ	5000	200	pass	
Tetrahydrofuran⊥	< LOQ	720	100	pass		Toluene⊥	< LOQ	890	100	pass	
Total Xylenes⊥	< LOQ		400			Total Xylenes and Ethyl benzene	< LOQ	2170	600	pass	

Pesticides

Method: AOAC 2007.01 **Units** mg/kg **Batch** 2502589 **Analyze** 04/10/25 11:37 AM

Analyte	Result	Limits	Status	Notes
Multi-Residue Pesticide Profile	< LOQ for all analytes			

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Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Arsenic ⊥	< LOQ	0.200	mg/kg	0.0163	2502564	04/09/25	AOAC 2013.06 (mod.)▸	pass	
Cadmium ⊥	< LOQ	0.200	mg/kg	0.0163	2502564	04/09/25	AOAC 2013.06 (mod.)▸	pass	
Lead ⊥	< LOQ	0.500	mg/kg	0.0163	2502564	04/09/25	AOAC 2013.06 (mod.)▸	pass	
Mercury ⊥	< LOQ	0.100	mg/kg	0.00815	2502564	04/09/25	AOAC 2013.06 (mod.)▸	pass	

Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Aflatoxin B1 ⊥	< LOQ		µg/kg	5.00	2502526	04/08/25	Mycotoxins by AOAC 2007.01		
Aflatoxin B2 ⊥	< LOQ		µg/kg	5.00	2502526	04/08/25	Mycotoxins by AOAC 2007.01		
Aflatoxin G1 ⊥	< LOQ		µg/kg	5.00	2502526	04/08/25	Mycotoxins by AOAC 2007.01		
Aflatoxin G2 ⊥	< LOQ		µg/kg	5.00	2502526	04/08/25	Mycotoxins by AOAC 2007.01		
Ochratoxin A	< LOQ	20.0	µg/kg	5.00	2502526	04/08/25	Mycotoxins by AOAC 2007.01▸	pass	
Total Aflatoxins	< LOQ	20.0	µg/kg	20.0		04/10/25	Mycotoxins by AOAC 2007.01▸	pass	

Nutrition

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Moisture (Loss on Drying)	18.4		g/100g	0.10	2502556	04/08/25	AOAC 925.10 (mod.)		
Water Activity	0.657		Aw	0.030	2502533	04/08/25	AOAC 978.18		

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Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

Þ = ISO/IEC 17025:2017 accredited method.

⊥ = TNI accredited analyte.

Units of Measure

cfu/g = Colony forming units per gram

g/100g = Grams per 100 Grams

µg/g = Microgram per gram

µg/kg = Micrograms per kilogram = parts per billion (ppb)

mg/kg = Milligram per kilogram = parts per million (ppm)

% = Percentage of sample

Aw = Water Activity

mg/4g = Milligram per 4g

% wt = µg/g divided by 10,000

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Residue List

Method AOAC 2007.01 **Units** mg/kg **Analyzed** 2025-04-10

Parameter	LOQ	Parameter	LOQ	Parameter	LOQ	Parameter	LOQ
2,4-D	0.10	2,4-DB	0.10	2,4-DP	0.10	2,4,5-T	0.10
2,4,5-TP	0.10	2,6-Dichlorobenzamide	0.10	Abamectin (Avermectin)	0.10	Acephate	0.20
Acequinocyl	0.10	Acetamiprid	0.10	Acetochlor	0.20	Acibenzolar-s-methyl	0.10
Acifluorfen	0.10	Acrinathrin	0.10	Afidopyropen	0.10	Alachlor	0.20
Aldicarb	0.10	Aldicarb-sulfone	0.10	Aldicarb-sulfoxide	0.10	Aldrin	0.10
Ametoctradin	0.10	Ametryn	0.10	Aminocyclopyrachlor	0.10	Anilazine	0.30
Aspon	0.10	Asulam	0.10	Atrazine	0.10	Atrazine-desethyl	0.10
Azadirachtin	0.10	Azinphos-ethyl	0.10	Azinphos-methyl	0.10	Azoxystrobin	0.10
Benalaxyl	0.10	Bendiocarb	0.10	Benfluralin	0.10	Benoxacor	0.10
Bensulide	0.10	Bentazone	0.10	Benzovindiflupyr	0.10	BHC (α, β, γ, δ isomers)	0.10
Bifenazate	0.10	Bifenox	0.10	Bifenthrin	0.10	Binapacryl	0.40
Bioresmethrin	0.10	Bitertanol	0.20	Boscalid	0.10	Broflanilide	0.10
Bromacil	0.20	Bromophos-ethyl	0.20	Bromophos-methyl	0.10	Bromopropylate	0.10
Bromoxynil	0.10	Bromuconazole	0.10	Bupirimate	0.10	Buprofezin	0.10
Butachlor	0.10	Butoxycarboxim	0.10	Butralin	0.20	Butylate	0.10
Cadusafos	0.10	Captafol	1.00	Captan	0.20	Carbaryl	0.10
Carbendazim	0.10	Carbofuran	0.10	Carbofuran-3-hydroxy	0.10	Carbophenothion	0.10
Carbophenothion-methyl	0.10	Carboxin	0.10	Carfentrazone-ethyl	0.10	Chlorantraniliprole	0.10
Chlordane	0.10	Chlordimeform	0.10	Chlorfenapyr	0.20	Chlorfenson	0.10
Chlorfenvinphos	0.10	Chlorimuron-ethyl	0.10	Chlomitrofen	0.20	Chlorobenzilate	0.10
Chloroneb	0.10	Chlorothalonil	0.40	Chlorpropham (CIPC)	0.10	Chlorpyrifos-ethyl	0.10
Chlorpyrifos-methyl	0.10	Chlorsulfuron	0.10	Chlorthal-dimethyl (Dacthal, D	0.10	Chlorthion	0.20
Chlorthiophos	0.10	Cinerin I	0.10	Clethodim	0.10	Clethodim-sulfone	0.10
Clethodim-sulfoxide	0.10	Clofentezine	0.10	Clomazone	0.10	Clopyralid	0.10
Clothianidin	0.10	Coumaphos	0.10	Crotoxyphos	0.10	Cyanazine	0.10
Cyanofenphos	0.10	Cyanophos	0.40	Cyantraniliprole	0.10	Cyazofamid	0.10
Cycloate	0.10	Cycloxydim	0.10	Cyflufenamid	0.10	Cyflumetofen	0.10
Cyfluthrin (incl. Beta-Cyfluthrin	0.20	Cyhalothrin, lambda	0.10	Cymoxanil	0.10	Cypermethrin and isomers (su	0.10
Cyprodinil	0.10	Cyromazine	0.10	DDD-o,p'	0.10	DDD-p,p'	0.10
DDE-o,p'	0.10	DDE-p,p'	0.10	DDT-o,p'	0.10	DDT-p,p'	0.10
DEF (Tribufos)	0.10	Deltamethrin	0.10	Demeton	0.20	Demeton-s-methyl	0.20
Demeton-s-methyl sulfone	0.20	Desmedipham	0.10	Diallate	0.10	Diazinon	0.10
Diazoxon (Diazinon OA)	0.10	Dicamba	0.10	Dichlobenil	0.10	Dichlofenthion	0.10
Dichlofluanid	0.10	Dichlorvos	0.10	Diclobutrazol	0.10	Diclofop	0.10

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Residue List

Method AOAC 2007.01 **Units** mg/kg **Analyzed** 2025-04-10

Parameter	LOQ	Parameter	LOQ	Parameter	LOQ	Parameter	LOQ
Diclofop-methyl	0.10	Dicloran	0.40	Dicofol o,p	0.20	Dicofol-p,p	0.20
Dicrotophos	0.10	Dieldrin	0.10	Diethofencarb	0.10	Diethyltoluamide (DEET)	0.10
Difenoconazole	0.10	Diflubenzuron	0.10	Diflufenzopyr	0.10	Dimethenamid	0.10
Dimethoate	0.10	Dimethomorph	0.10	Diniconazole	0.10	Dinocap	0.10
Dinoseb	0.10	Dinotefuran	0.10	Dioxathion	0.10	Diphenamid	0.10
Diphenylamine	0.10	Disulfoton	0.20	Disulfoton-sulfone	0.10	Disulfoton-sulfoxide	0.10
Dithianon	0.10	Dithiopyr	0.10	Diuron	0.10	Diuron metabolite (DCPMU)	0.10
DNOC (Dinitrocresol)	0.10	Edifenphos	0.10	Endosulfan I (alpha)	0.20	Endosulfan II (beta)	0.20
Endosulfan sulfate	0.10	Endrin	0.20	Endrin Aldehyde	0.20	EPN	0.10
EPTC	0.10	Esfenvalerate	0.20	Etaconazole	0.10	Ethaboxam	0.10
Ethalfluralin	0.10	Ethiofencarb	0.10	Ethion	0.10	Ethirimol	0.10
Ethofumesate	0.10	Ethoprophos	0.10	Ethoxyquin	0.20	Etofenprox	0.10
Etoxazole	0.10	Etridiazole	0.10	Etrimfos	0.10	Famoxadone	0.20
Famphur	0.10	Fenamidone	0.10	Fenamiphos	0.10	Fenamiphos-sulfone	0.10
Fenamiphos-sulfoxide	0.10	Fenarimol	0.10	Fenazaquin	0.10	Fenbuconazole	0.10
Fenbutatin oxide	0.10	Fenchlorphos	0.10	Fenchlorphos-oxon	0.10	Fenhexamid	0.10
Fenitrothion	0.10	Fenobucarb	0.10	Fenoxaprop-p-ethyl	0.10	Fenoxycarb	0.10
Fenpropathrin	0.10	Fenpyroximate	0.10	Fenson	0.20	Fensulfothion	0.10
Fenthion	0.10	Fenuron	0.10	Fipronil	0.10	Flonicamid	0.10
Fluazifop	0.10	Fluazinam	0.10	Fluchloralin	0.10	Flucythrinate	0.30
Fludioxonil	0.10	Flufenacet	0.10	Flumetsulam	0.10	Flumioxazin	0.10
Fluometuron	0.10	Fluopicolide	0.10	Fluopyram	0.10	Fluoxastrobin	0.10
Fluprimidol	0.10	Flupyradifurone	0.10	Fluridone	0.10	Fluroxypyr	0.10
Flusilazole	0.10	Fluthiacet-methyl	0.10	Flutianil	0.10	Flutolanil	0.10
Flutriafol	0.10	Fluxapyroxad	0.10	Folpet	0.10	Fomesafen	0.10
Fonofos	0.10	Foramsulfuron	0.10	Forchlorfenuron	0.10	Formetanate	0.10
Furathiocarb	0.10	Halosulfuron-methyl	0.10	Haloxyfop	0.10	Heptachlor	0.10
Heptachlor epoxide	0.10	Hexachlorobenzene	0.10	Hexaconazole	0.10	Hexazinone	0.10
Hexythiazox	0.10	Hydroprene	0.10	Imazalil	0.10	Imazamox	0.10
Imazapic	0.10	Imazapyr	0.10	Imazaquin	0.10	Imazethapyr	0.10
Imidacloprid	0.10	Indaziflam	0.10	Indoxacarb	0.10	Iprobenfos	0.10
Iprodione	0.10	Isazophos	0.10	Isobenzan	0.10	Isocarbophos	0.10
Isodrin	0.10	Isofenphos	0.10	Isofenphos-methyl	0.10	Isofenphos-oxon	0.10
Isofetamid	0.10	Isoprocarb	0.10	Isopropalin	0.10	Isoprothiolane	0.10

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Parameter	LOQ	Parameter	LOQ	Parameter	LOQ	Parameter	LOQ
Isoproturon	0.10	Isoxaben	0.10	Isoxaflutole	0.10	Jasmolin I	0.10
Kresoxim-methyl	0.10	Lactofen	0.20	Lenacil	0.10	Linuron	0.10
Malaoxon	0.10	Malathion	0.10	Mandestrobin	0.10	Mandipropamid	0.10
MCPA	0.10	MCPB	0.10	MCPP (Mecoprop)	0.10	MCPP-P	0.10
Mecarbam	0.10	Mefentrifluconazole	0.10	Mepanipyrim	0.10	Mesosulfuron-methyl	0.10
Mesotrione	0.10	Metalaxyl	0.10	Metaldehyde	0.10	Metconazole	0.10
Methacrifos	0.10	Methamidophos	0.10	Methidathion	0.10	Methiocarb	0.10
Methiocarb-sulfone	0.10	Methiocarb-sulfoxide	0.10	Methiozolin	0.10	Methomyl	0.10
Methoxychlor	0.10	Methoxyfenozide	0.10	Metobromuron	0.10	Metolacarb	0.10
Metolachlor	0.10	Metrafenone	0.10	Metribuzin	0.10	Metsulfuron-methyl	0.10
Mevinphos	0.10	Mexacarbate	0.10	MGK-264	0.10	Mirex	0.10
Molinate	0.10	Monocrotophos	0.10	Monolinuron	0.10	Myclobutanil	0.10
Naled	0.10	Napropamide	0.10	Neburon	0.10	Nicosulfuron	0.10
Nitrapyrin	0.20	Nitrofen	0.20	Norflurazon	0.10	Novaluron	0.10
Nuarimol	0.20	O-Phenylphenol	0.50	Omethoate	0.10	Oryzalin	0.10
Oxadiazon	0.10	Oxadixyl	0.10	Oxamyl	0.10	Oxamyl-oxime	0.10
Oxathiapiprolin	0.10	Oxychlordane	0.10	Oxydemeton-methyl	0.10	Oxyfluorfen	0.10
Oxythioquinox	0.20	Paclobutrazole	0.10	Paraoxon-ethyl	0.10	Paraoxon-methyl	0.10
Parathion-ethyl	0.10	Parathion-methyl	0.30	Penconazole	0.10	Pendimethalin	0.10
Penflufen	0.10	Pentachloroaniline	0.10	Pentachloroanisole	0.10	Pentachlorobenzene	0.10
Pentachlorophenol	0.10	Pentachlorothioanisole	0.30	Penthiopyrad	0.10	Permethrin	0.10
Perthane	0.10	Phenmedipham	0.10	Phenothrin	0.10	Phenthoate	0.10
Phorate	0.10	Phorate OA	0.10	Phorate-sulfone	0.10	Phorate-sulfoxide	0.10
Phosalone	0.10	Phosmet	0.10	Phosmet oxon	0.10	Phosphamidon	0.10
Phoxim	0.10	Picloram	0.10	Pinoxaden	0.10	Piperonyl butoxide	0.10
Pirimicarb	0.10	Pirimiphos-ethyl	0.10	Pirimiphos-methyl	0.10	Prallethrin	0.10
Primisulfuron-methyl	0.10	Prochloraz	0.10	Procymidone	0.10	Prodiamine	0.10
Profenofos	0.10	Profluralin	0.10	Promecarb	0.10	Prometon	0.10
Prometryn	0.10	Pronamide (Propyzamid)	0.10	Propachlor	0.10	Propamocarb	0.10
Propanil	0.10	Propargite	0.10	Propazine	0.10	Propetamphos	0.10
Propham	0.10	Propiconazole	0.10	Propoxur	0.10	Propoxycarbazone sodium	0.10
Prosulfuron	0.10	Prothioconazole	0.10	Prothiofos	0.10	Pydiflumetofen	0.10
Pymetrozine	0.10	Pyraclostrobin	0.10	Pyraflufen-ethyl	0.10	Pyrazophos	0.10
Pyrethrins (total)	0.10	Pyridaben	0.10	Pyridate	0.10	Pyrifluquinazon	0.10

Columbia LABORATORIES
A Tentamus Company

12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number:	25-003525/D001.R000
Report Date:	04/10/2025
ORELAP#:	OR100028
Purchase Order:	
Received:	04/03/25 11:09

Residue List

Method AOAC 2007.01 **Units** mg/kg **Analyzed** 2025-04-10

Parameter	LOQ	Parameter	LOQ	Parameter	LOQ	Parameter	LOQ
Pyrimethanil	0.10	Pyriproxyfen	0.10	Pyroxasulfone	0.10	Pyroxsulam	0.10
Quinalphos	0.10	Quinclorac	0.10	Quinoxyfen	0.10	Quintozene (PCNB)	0.10
Quizalofop	0.10	Resmethrin	0.10	Rimsulfuron	0.10	Rotenone	0.10
S-421	0.10	Saflufenacil	0.10	Sebuthylazine	0.10	Sedaxane	0.10
Sethoxydim	0.10	Siduron	0.10	Simazine	0.10	Simetryn	0.10
Spinetoram	0.10	Spinosad	0.10	Spirodiclofen	0.10	Spiromesifen	0.10
Spirotetramat	0.10	Spirotetramat enol	0.10	Spiroxamine	0.10	Sulfallate	0.10
Sulfentrazone	0.30	Sulfometuron-methyl	0.10	Sulfosulfuron	0.10	Sulfotep	0.10
Sulfoxaflor	0.10	Sulprofos	0.10	Tau-fluvalinate	0.10	Tebuconazole	0.10
Tebufenozide	0.10	Tebuthiuron	0.10	Tecnazene	0.10	Tefluthrin	0.10
Tembotrione	0.10	Terbacil	0.40	Terbufos	0.10	Terbufos-sulfone	0.10
Terbufos-sulfoxide	0.10	Terbuthylazine	0.10	Terbutryn	0.10	Tetrachlorvinphos	0.10
Tetraconazole	0.10	Tetradifon	0.10	Tetramethrin	0.10	Tetrasul	0.10
Thiabendazol 5 hydroxy	0.10	Thiabendazole	0.10	Thiacloprid	0.10	Thiamethoxam	0.10
Thifensulfuron-methyl	0.10	Thiobencarb	0.10	Thiodicarb	0.10	Thiometon	0.20
Thionazin	0.10	Thiophanate-methyl	0.10	Tolclofos-methyl	0.10	Tolfenpyrad	0.10
Tolylfluanid	0.10	Topramezone	0.10	Tralkoxydim	0.10	Triadimeton	0.10
Triadimenol	0.10	Triallate	0.10	Triasulfuron	0.10	Triazophos	0.10
Tribenuron-methyl	0.10	Trichlorfon (Metrifonate)	0.10	Triclopyr	0.20	Trifloxystrobin	0.10
Trifloxysulfuron	0.10	Triflumizole	0.10	Trifluralin	0.10	Triflusulfuron-methyl	0.10
Triforine	0.10	Trinexapac-ethyl	0.10	Triticonazole	0.10	Vinclozolin	0.10
Zoxamide	0.10						

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A Tentamus Company

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Columbia LABORATORIES
A Tentamus Company

Hemp & Cannabis
Chain of Custody

Northwest-Natural-Goods-1743827332

Company Details
Company: Northwest Natural Goods
[redacted]

Billing Information
[redacted]

Project Details
Turnaround Time: 5 Business Days | Req. For Micro Testing | Standard
Relinquishment | Sampling, Courier & Shipping Options: Pick-Up Courier Service
Project Name / ID: HEMP - HB 0115

Pick-Up Details
Pick-Up Location Name: Northwest Natural Goods
[redacted]

Receipt Information
Evidence of Cooling?: No
Sample Condition: Satisfactory
Prelog Storage: Canna Shelves

#	Sample Name	Material	Amount Provided	Reporting Unit	Serving Size	Test ag: H0042 - Aflatoxins+Ochratoxin OLCC	H0800 - Water Activity & Moisture Loss on Drying@ Food	H0003 - Cannabis Heavy Metals Profile OR	H0008 - Residual Solvents(Cannabis - Oregon)	H0000 - Micro Profile D	H0000 - Potency Cannabis(Basic+Expanded)	P2320 - Multi-Residue Pesticide Profile (Cannabis)
1	HEMP - HB 0115	Cannab no d Ed b e	20 each	mg/g & mg/serv ng	4 g	✓	✓	✓	✓	✓	✓	✓

Relinquished By	Date	Time	Temp., °C
Kristen Johnson	04/02/2025	13:55	
BCR	04/03/2025	10:54	19.5

Received By	Date	Time	Received Temp., °C	IR Therm. CL#
BCR	04/03/2025	10:29	NA	NA
dat	04/03/2025	11:09	19.5	Other

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the current terms of services associated with this COC. By signing "Relinquished by" you are agreeing to these terms.

Columbia Laboratories
12423 NE Whitaker Way
Portland, OR 97230

P: (503) 254-1794
info@columbialaboratories.com

Columbia LABORATORIES
A Tentamus Company

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Revision: 4 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 — **Batch ID: 2502511**

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.0313	0.0315	%	99.3	80.0 - 120	Acceptable	
CBDV	2	0.0329	0.0334	%	98.5	80.0 - 120	Acceptable	
CBE	2	0.0320	0.0321	%	99.5	80.0 - 120	Acceptable	
CBDA	1	0.0346	0.0348	%	99.4	90.0 - 110	Acceptable	
CBGA	1	0.0342	0.0341	%	100	80.0 - 120	Acceptable	
CBG	1	0.0328	0.0333	%	98.4	80.0 - 120	Acceptable	
CBD	1	0.0335	0.0326	%	103	90.0 - 110	Acceptable	
THCV	2	0.0313	0.0331	%	94.4	80.0 - 120	Acceptable	
d8THCV	2	0.0317	0.0342	%	92.7	80.0 - 120	Acceptable	
THCVA	2	0.0301	0.0308	%	97.6	80.0 - 120	Acceptable	
CBN	1	0.0334	0.0330	%	101	80.0 - 120	Acceptable	
exo-THC	2	0.0306	0.0316	%	96.8	80.0 - 120	Acceptable	
d9THC	1	0.0328	0.0330	%	99.3	90.0 - 110	Acceptable	
d8THC	1	0.0337	0.0344	%	98.0	90.0 - 110	Acceptable	
9S-d10THC	1	0.0342	0.0352	%	97.2	80.0 - 120	Acceptable	
CBL	2	0.0303	0.0318	%	95.5	80.0 - 120	Acceptable	
9R-d10THC	1	0.0341	0.0354	%	96.3	80.0 - 120	Acceptable	
CBC	2	0.0315	0.0332	%	94.9	80.0 - 120	Acceptable	
THCA	1	0.0384	0.0371	%	104	90.0 - 110	Acceptable	
CBCA	2	0.0311	0.0322	%	96.6	80.0 - 120	Acceptable	
CBLA	2	0.0307	0.0321	%	95.6	80.0 - 120	Acceptable	
d9THCP	2	0.0290	0.0319	%	90.9	80.0 - 120	Acceptable	
CBT	2	0.0294	0.0332	%	88.7	80.0 - 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.00320	%	< 0.00320	Acceptable	
CBDV	<LOQ	0.00320	%	< 0.00320	Acceptable	
CBE	<LOQ	0.00320	%	< 0.00320	Acceptable	
CBDA	<LOQ	0.00320	%	< 0.00320	Acceptable	
CBGA	<LOQ	0.00320	%	< 0.00320	Acceptable	
CBG	<LOQ	0.00320	%	< 0.00320	Acceptable	
CBD	<LOQ	0.00320	%	< 0.00320	Acceptable	
THCV	<LOQ	0.00320	%	< 0.00320	Acceptable	
d8THCV	<LOQ	0.00320	%	< 0.00320	Acceptable	
THCVA	<LOQ	0.00320	%	< 0.00320	Acceptable	
CBN	<LOQ	0.00320	%	< 0.00320	Acceptable	
exo-THC	<LOQ	0.00320	%	< 0.00320	Acceptable	
d9THC	<LOQ	0.00320	%	< 0.00320	Acceptable	
d8THC	<LOQ	0.00320	%	< 0.00320	Acceptable	
9S-d10THC	<LOQ	0.00320	%	< 0.00320	Acceptable	
CBL	<LOQ	0.00320	%	< 0.00320	Acceptable	
9R-d10THC	<LOQ	0.00320	%	< 0.00320	Acceptable	
CBC	<LOQ	0.00320	%	< 0.00320	Acceptable	
THCA	<LOQ	0.00320	%	< 0.00320	Acceptable	
CBCA	<LOQ	0.00320	%	< 0.00320	Acceptable	
CBLA	<LOQ	0.00320	%	< 0.00320	Acceptable	
d9THCP	<LOQ	0.00320	%	< 0.00320	Acceptable	
CBT	<LOQ	0.00320	%	< 0.00320	Acceptable	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation

Units of Measure:

% - Percent

Columbia LABORATORIES
A Tentamus Company

12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number:	25-003525/D001.R000
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ORELAP#:	OR100028
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Received:	04/03/25 11:09

Revision: 4 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 — **Batch ID: 2502511**

Sample Duplicate — Sample ID: **25-003456-0001**

Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
CBG	0.00891	0.00879	0.00319	%	1.38	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
CBN	0.00356	0.00376	0.00319	%	5.56	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
d9THC	0.255	0.253	0.00319	%	0.828	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
CBC	0.254	0.250	0.00319	%	1.47	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.00319	%	NA	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation

Units of Measure:

% - Percent

Columbia LABORATORIES
A Tentamus Company

12423 NE Whitaker Way
Portland, OR 97230
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Report Number:	25-003525/D001.R000
Report Date:	04/10/2025
ORELAP#:	OR100028
Purchase Order:	
Received:	04/03/25 11:09

Revision: 2 Document ID: 7087
Legacy ID: CFL-E33Effective:

Laboratory Quality Control Results

Residual Solvents — **Batch ID:** 2505261

Method Blank					Laboratory Control Sample					
Analyte	**Result**		**LOQ**	**Notes**	**Result**	**Spike**	**Units**	**% Rec**	**Limits**	**Notes**
1,2-dimethoxyethane	ND	<	50		181	162	µg/g	111.7	50-150	
1,4-Dioxane	ND	<	100		533	487	µg/g	109.4	60-120	
1-Butanol	ND	<	500		1560	1610	µg/g	96.9	50-150	
1-Pentanol	ND	<	500		1650	1600	µg/g	103.1	50-150	
1-Propanol	ND	<	500		1950	1600	µg/g	121.9	50-150	
2,2-Dimethylbutane	ND	<	30		186	182	µg/g	102.2	60-120	
2,2-Dimethylpropane	ND	<	200		822	956	µg/g	86.0	60-120	
2,3-Dimethylbutane	ND	<	30		190	184	µg/g	103.3	60-120	
2-Butanol	ND	<	200		1650	1640	µg/g	100.6	60-120	
2-Ethoxyethanol	ND	<	30		185	180	µg/g	102.8	60-120	
2-methyl-1-propanol	ND	<	500		1680	1610	µg/g	104.3	50-150	
2-Methylbutane	ND	<	200		1640	1620	µg/g	101.2	60-120	
2-Methylpentane	ND	<	30		182	185	µg/g	98.4	60-120	
2-Propanol	ND	<	200		1630	1630	µg/g	100.0	60-120	
3-Methylpentane	ND	<	30		183	177	µg/g	103.4	60-120	
Acetone	ND	<	200		1660	1640	µg/g	101.2	60-120	
Acetonitrile	ND	<	100		510	513	µg/g	99.4	60-120	
Anisole	ND	<	500		1380	1610	µg/g	85.7	50-150	
Benzene	ND	<	1		5.34	5.56	µg/g	96.0	50-150	
Butane	ND	<	200		679	769	µg/g	88.3	60-120	
Cumene	ND	<	30		234	227	µg/g	103.1	60-120	
Cyclohexane	ND	<	200		1620	1610	µg/g	100.6	60-120	
Dichloromethane	ND	<	60		608	589	µg/g	103.2	50-150	
DMSO	ND	<	500		1300	1600	µg/g	81.3	50-150	
Ethanol	ND	<	200		1690	1680	µg/g	100.6	60-120	
Ethyl acetate	ND	<	200		1640	1620	µg/g	101.2	60-120	
Ethyl Ether	ND	<	200		1670	1640	µg/g	101.8	60-120	
Ethyl Formate	ND	<	500		1090	1610	µg/g	67.7	50-150	
Ethylbenzene	ND	<	200		1100	1060	µg/g	103.8	60-120	
Ethylene Glycol	ND	<	200		462	530	µg/g	87.2	60-120	
Ethylene Oxide	ND	<	30		49.6	57.7	µg/g	86.0	50-150	
Heptane	ND	<	200		1550	1610	µg/g	96.3	60-120	
Hexane	ND	<	30		177	174	µg/g	101.7	60-120	
Isobutane	ND	<	200		669	770	µg/g	86.9	60-120	
Isopropyl Acetate	ND	<	200		1630	1620	µg/g	100.6	60-120	
m,p-Xylene	ND	<	200		1050	1040	µg/g	101.0	60-120	
Methanol	ND	<	200		1670	1650	µg/g	101.2	60-120	
Methyl Acetate	ND	<	500		1960	1610	µg/g	121.7	50-150	
Methylethylketone	ND	<	500		1910	1610	µg/g	118.6	50-150	
N,N-dimethylformamide	ND	<	150		519	487	µg/g	106.6	50-150	
o-Xylene	ND	<	200		1100	1090	µg/g	100.9	60-120	
Pentane	ND	<	200		1650	1620	µg/g	101.9	60-120	
Propane	ND	<	200		521	585	µg/g	89.1	60-120	
Pyridine	ND	<	50		160	162	µg/g	98.8	50-150	
Sulfolane	ND	<	50		116	173	µg/g	67.1	50-150	
Tetrahydrofuran	ND	<	100		522	511	µg/g	102.2	60-120	
Toluene	ND	<	100		524	497	µg/g	105.4	60-120	
Triethylamine	ND	<	500		1550	1600	µg/g	96.9	50-150	

Columbia LABORATORIES
A Tentamus Company

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ORELAP#: OR100028
Purchase Order:
Received: 04/03/25 11:09

Revision: 2 Document ID: 7087
Legacy ID: CFL-E33Effective:

QC - Sample Duplicate **Sample ID: 25-003525-0001**

Analyte	SR Result	SD Result	LOQ	Units	RPD	Limits	Accept/Fail	Notes
1,2-dimethoxyethane	ND	ND	50	µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
1-Butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1-Pentanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1-Propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylpropane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,3-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-methyl-1-propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
2-Methylbutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-Propanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Acetone	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Anisole	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Butane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	60	µg/g	0.0	< 20	Acceptable	
DMSO	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Ether	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Formate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylene Oxide	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Heptane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Isobutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Methanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Methyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Methylethylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
N,N-dimethylformamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Pentane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Propane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Pyridine	ND	ND	50	µg/g	0.0	< 20	Acceptable	
Sulfolane	ND	ND	50	µg/g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Triethylamine	ND	ND	500	µg/g	0.0	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation

Units of Measure:

µg/g- Microgram per gram or ppm

Columbia LABORATORIES
A Tentamus Company

12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number:	25-003525/D001.R000
Report Date:	04/10/2025
ORELAP#:	OR100028
Purchase Order:	
Received:	04/03/25 11:09

Columbia LABORATORIES
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Report Date:	04/10/2025
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Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitaion level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.