



OREGON

Environmental Laboratory Accreditation Program



ORELAP Fields of Accreditation

ORELAP ID: OR100028

EPA CODE: OR00011

Certificate: OR100028 - 023

Columbia Laboratories Inc.

12423 NE Whitaker Way

Portland, OR 97230

Issue Date: 11/20/2020 Expiration Date: 6/29/2021

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Drinking Water

EPA 524.2 4.1	4645	cis-1,2-Dichloroethylene		
	4680	cis-1,3-Dichloropropene		
	4595	Dibromomethane (Methylene bromide)		
	4625	Dichlorodifluoromethane (Freon-12)		
	4765	Ethylbenzene		
	4835	Hexachlorobutadiene		
	4900	Isopropylbenzene (Cumene)		
	5240	m+p-xylene		
	4950	Methyl bromide (Bromomethane)		
	4960	Methyl chloride (Chloromethane)		
	5000	Methyl tert-butyl ether (MTBE)		
	4975	Methylene chloride (Dichloromethane)		
	5005	Naphthalene		
	4435	n-Butylbenzene		
	5090	n-Propylbenzene		
	5250	o-Xylene		
	4440	sec-Butylbenzene		
	5100	Styrene		
	4445	tert-Butylbenzene		
	5140	Toluene		
	5205	Total trihalomethanes		
	4685	trans-1,3-Dichloropropylene		
	5170	Trichloroethene (Trichloroethylene)		
	5175	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)		
	5235	Vinyl chloride		
	5260	Xylene (total)		
SM 2120 B 21st ED			20039003	Color by Visual Comparison
	1605	Color		
SM 2130 B 21st ED			20042608	Turbidity by Nephelometric Method
	2055	Turbidity		
SM 2320 B 21st ED			20045403	Alkalinity by Titration Method
	1505	Alkalinity as CaCO3		
SM 2340 B 21st ED			20046406	Hardness by calculation
	1750	Hardness		
SM 2510 B 21st ED			20048402	Conductivity by Probe
	1610	Conductivity		
SM 2540 C 21st ED			20050208	Total Dissolved Solids Dried at 180C
	1955	Residue-filterable (TDS)		
SM 4500-CI G 21st ED			20081407	Chlorine by DPD Colorimetric Method
	1945	Residual free chlorine		



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SM 4500-Cl G 2 1940	Total residual chlorine		
SM 4500-CN ⁻ C 21st ED		20095403	Cyanide by Total Cyanide after Distillation
1635	Cyanide		
SM 4500-CN ⁻ E 21st ED		20096202	Cyanide by Colorimetric Method
1635	Cyanide		
SM 4500-H ⁺ B 21st ED		20105004	pH Value by Electrometric Method .
1900	pH		
SM 6251 B 21st ED		20149002	Haloacetic acid (HAAs) by Micro Liquid-Liquid Extraction Gas Chromatographic Method
9312	Bromoacetic acid		
9315	Bromochloroacetic acid		
9336	Chloroacetic acid		
9357	Dibromoacetic acid		
9360	Dichloroacetic acid		
9414	Total haloacetic acids		
9642	Trichloroacetic acid		
SM 9215 B (PCA) 21st ED		20181402	Heterotrophic Plate Count Pour Plate (plate count agar): Heterotrophic Bacteria
2555	Heterotrophic plate count		
SM 9223 B (Colilert® Quanti-Tray®) 21st ED		20211409	Chromogenic/Fluorogenic Quantitative (Colilert®): Total Coliform and E. coli
2525	Escherichia coli		
2500	Total coliforms		
SM 9223 B (Colilert®) 21st ED		20212402	Chromogenic/Fluorogenic Qualitative (Colilert®): Total Coliform and E. coli
2525	Escherichia coli		
2500	Total coliforms		
SM 9223 B (Colilert®-18 Quanti-Tray®) 21st ED		20213405	Chromogenic/Fluorogenic Quantitative (Colilert®-18): Total Coliform and E. coli
2525	Escherichia coli		
2500	Total coliforms		
SM 9223 B (Colilert®-18) 21st ED		20214408	Chromogenic/Fluorogenic Qualitative (Colilert®-18): Total Coliform and E. coli
2525	Escherichia coli		
2500	Total coliforms		
SM 9223 B (Colisure®) 21st ED		20231601	Chromogenic/Fluorogenic Qualitative (Colisure®): Total Coliform and E. coli
2525	Escherichia coli		
2500	Total coliforms		

Non-Potable Water

EPA 120.1		10006209	Conductance - Specific @ 25 C
1610	Conductivity		



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EPA 1664A (HEM)	1803	n-Hexane Extractable Material (O&G)	10127807	N-Hexane Extractable Material (Oil and Grease) by Extraction and Gravimetry
EPA 1664A (SGT-HEM)	1803	n-Hexane Extractable Material (O&G)	10261606	Silica Gen Treated N-Hexane Extractable Material (Oil and Grease)
EPA 1664B EPA 1664B	1803	n-Hexane Extractable Material (O&G)	10261617	N-Hexane Extractable Material (Oil and Grease) by Extraction and Gravimetry
EPA 1664B (SGT-HEM) EPA 1664B (SGT-HEM)	1803	n-Hexane Extractable Material (O&G)	10260628	Silica Gel Treated n-Hexane Extractable Material (Oil & Grease)
EPA 180.1 2	2055	Turbidity	10011800	Turbidity - Nephelometric
EPA 200.7 4.4	1000	Aluminum	10013806	ICP - metals
	1005	Antimony		
	1010	Arsenic		
	1015	Barium		
	1020	Beryllium		
	1025	Boron		
	1030	Cadmium		
	1035	Calcium		
	1040	Chromium		
	1050	Cobalt		
	1055	Copper		
	1070	Iron		
	1075	Lead		
	1085	Magnesium		
	1090	Manganese		
	1100	Molybdenum		
	1105	Nickel		
	1125	Potassium		
	1150	Silver		
	1155	Sodium		
	1165	Thallium		
	1175	Tin		
	1185	Vanadium		
	1190	Zinc		
EPA 200.8 5.4	10014605	Metals by ICP-MS		
	1000	Aluminum		
	1005	Antimony		
	1010	Arsenic		



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EPA 200.8 5.4	1015	Barium		
	1020	Beryllium		
	1025	Boron		
	1030	Cadmium		
	1040	Chromium		
	1050	Cobalt		
	1055	Copper		
	1075	Lead		
	1090	Manganese		
	1100	Molybdenum		
	1105	Nickel		
	1140	Selenium		
	1150	Silver		
	1160	Strontium		
	1165	Thallium		
	1175	Tin		
	1180	Titanium		
	1190	Zinc		
EPA 245.1 3			10036609	Mercury by Cold Vapor Atomic Absorption
	1095	Mercury		
EPA 300.0 2.1			10053200	Methods for the Determination of Inorganic Substances in Environmental Samples
	1575	Chloride		
	1730	Fluoride		
	1810	Nitrate as N		
	1820	Nitrate plus Nitrite as N		
	1840	Nitrite as N		
	1870	Orthophosphate as P		
	2000	Sulfate		
EPA 3010A			10133605	Acid Digestion of Aqueous samples and Extracts for Total Metals
	9822	Extraction/Preparation		
EPA 3020A			10134404	Acid Digestion of Aqueous samples and Extracts for Total Metals for Analysis by GFAA
	9822	Extraction/Preparation		
EPA 350.1			10063204	Ammonia Nitrogen - Colorimetric, Auto Phenate
	1515	Ammonia as N		
EPA 351.2 2			10065404	Total Kjeldahl Nitrogen - Block Digest, Phenate
	1790	Kjeldahl nitrogen		



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EPA 3510C		10138202	Separatory Funnel Liquid-liquid extraction
	9822	Extraction/Preparation	
EPA 353.2 2		10067604	Nitrate/Nitrite Nitrogen - Automated, Cadmium
	1810	Nitrate as N	
	1823	Nitrate plus Nitrite as N	
EPA 365.1 2		10077005	Phosphorous - Colorimetric, Automated persulfate
	1910	Phosphorus, total	
EPA 410.4		10077006	Chemical Oxygen Demand - Colorimetric, Automated.
	1565	Chemical oxygen demand	
EPA 6010B		10155609	ICP - AES
	1000	Aluminum	
	1005	Antimony	
	1010	Arsenic	
	1015	Barium	
	1020	Beryllium	
	1025	Boron	
	1030	Cadmium	
	1035	Calcium	
	1040	Chromium	
	1050	Cobalt	
	1055	Copper	
	1070	Iron	
	1075	Lead	
	1085	Magnesium	
	1090	Manganese	
	1100	Molybdenum	
	1105	Nickel	
	1125	Potassium	
	1150	Silver	
	1155	Sodium	
	1185	Vanadium	
	1190	Zinc	
EPA 6020		10156000	Inductively Coupled Plasma-Mass Spectrometry
	1000	Aluminum	
	1005	Antimony	
	1010	Arsenic	
	1015	Barium	
	1020	Beryllium	
	1025	Boron	
	1030	Cadmium	



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EPA 6020	1040	Chromium		
	1050	Cobalt		
	1055	Copper		
	1075	Lead		
	1090	Manganese		
	1095	Mercury		
	1100	Molybdenum		
	1105	Nickel		
	1140	Selenium		
	1150	Silver		
	1165	Thallium		
	1175	Tin		
	1180	Titanium		
	1190	Zinc		
EPA 7470A			10165807	Mercury in Liquid Waste by Cold Vapor Atomic Absorption
	1095	Mercury		
SM 2130 B 21st ED			20042608	Turbidity by Nephelometric Method
	2055	Turbidity		
SM 2320 B 21st ED			20045403	Alkalinity by Titration Method
	1505	Alkalinity as CaCO ₃		
SM 2340 B 21st ED			20046406	Hardness by calculation
	1750	Hardness		
SM 2510 B 21st ED			20048402	Conductivity by Probe
	1610	Conductivity		
SM 2540 B 21st ED			20049201	Total Solids Dried at 103 - 105C
	1950	Residue-total		
SM 2540 C 21st ED			20050208	Total Dissolved Solids Dried at 180C
	1955	Residue-filterable (TDS)		
SM 2540 D 21st ED			20051007	Total Suspended Solids Dried at 103 - 105C
	1960	Residue-nonfilterable (TSS)		
SM 2540 F 21st ED			20052000	Settleable Solids
	1965	Residue-settleable		
SM 4500-CI G 21st ED			20081407	Chlorine by DPD Colorimetric Method
	1940	Total residual chlorine		
SM 4500-CN ⁻ C 21st ED			20095403	Cyanide by Total Cyanide after Distillation
	1635	Cyanide		
SM 4500-CN ⁻ E 21st ED			20096202	Cyanide by Colorimetric Method
	1635	Cyanide		



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SM 4500-H+ B 21st ED	1900	pH	20105004	pH Value by Electrometric Method .
SM 5210 B 21st ED	1530	Biochemical oxygen demand	20135006	Biochemical Oxygen Demand, 5-Day (BOD5)
	1555	Carbonaceous BOD, CBOD		
SM 5220 D 21st ED	1565	Chemical oxygen demand	20136601	COD by Closed Reflux, Colorimetric Method
SM 9222 D (m- FC) 21st ED	2530	Fecal coliforms	20209807	Membrane Filtration Quantitative (m-FC): Fecal Coliform
SM 9223 B (ColiIert® Quanti-Tray®) 21st ED	2525	Escherichia coli	20211409	Chromogenic/Fluorogenic Quantitative (ColiIert®): Total Coliform and E. coli
	2500	Total coliforms		
SM 9223 B (ColiIert®-18 Quanti-Tray®) 21st ED	2525	Escherichia coli	20213405	Chromogenic/Fluorogenic Quantitative (ColiIert®-18): Total Coliform and E. coli
	2500	Total coliforms		

Solids

AOAC 2007.01 & EN 15662: LC-MS/MS	7366	Abamectin	805	Pesticides by LC-MS-MS
AOAC 2007.01 & EN 15662: LC-MS/MS	7000	Acephate		
	700	Acequinocyl		
	701	Acetamiprid		
	7010	Aldicarb (Temik)		
	702	Azoxystrobin		
	7116	Bifenazate		
	7117	Bifenthrin		
	703	Boscalid		
	7195	Carbaryl (Sevin)		
	7205	Carbofuran (Furaden)		
	704	Chlorantraniliprole		
	705	Chlorfenapyr		
	7300	Chlorpyrifos		
	706	Clofentezine		
	7345	Cyfluthrin		
	7346	Cypermethrin		
	707	Daminozide		
	7410	Diazinon		
	8610	Dichlorvos (DDVP, Dichlorvos)		
	7475	Dimethoate		
	7570	Ethoprop		



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AOAC 2007.01	708	Etofenprox
& EN 15662:	709	Etoxazole
LC-MS/MS	710	Fenoxycarb
AOAC 2007.01	711	Fenpyroximate
& EN 15662:	712	Fipronil
LC-MS/MS	713	Flonicamid
	714	Fludioxonil
	715	Hexythiazox
	716	Imazalil
	7702	Imidacloprid
	728	Kresoxim-methyl
	7770	Malathion
	7790	Metalaxyl
	7800	Methiocarb (Mesurol)
	7805	Methomyl (Lannate)
	7825	Methyl parathion (Parathion, methyl)
	7860	MGK-264
	7893	Myclobutanil
	7905	Naled
	7940	Oxamyl
	7947	Paclbutrazol
	7975	Permethrin (total)
	8000	Phosmet (Imidan)
	9550	Piperonyl butoxide
	203	Prallethrin
	717	Propiconazole
	8080	Propoxur (Baygon)
	718	Pyrethrins (total)
	719	Pyridaben
	720	Spinosad
	721	Spiromesifen
	722	Spirotetramat
	723	Spiroxamine
	724	Tebuconazole
	725	Thiacloprid
	726	Thiamethoxam
	727	Trifloxystrobin

AOAC 2016.01	50003399	Salmonella spp. in Select Foods and Environmental Surfaces by3M Molecular Detection System
	2570	Salmonella
EPA 5021A	10284205	Volatile Organic Compounds in Various Sample Matrices Using Equilibrium Headspace Analysis
EPA 5021A		
4735		1,4-Dioxane (1,4- Diethyleneoxide)



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EPA 5021A	5866	2-Ethoxyethanol (cellosolve)
EPA 5021A	4315	Acetone
	4320	Acetonitrile
	4375	Benzene
	4555	Cyclohexane
	4725	Diethyl ether
	4750	Ethanol
	4755	Ethyl acetate
	4785	Ethylene glycol
	4795	Ethylene oxide
	4890	Isopropyl acetate
	4895	Isopropyl alcohol (2-Propanol, Isopropanol)
	4900	Isopropylbenzene (Cumene)
	4930	Methanol
	4975	Methylene chloride (Dichloromethane)
	5007	n-Butane
	4825	n-Heptane
	4855	n-Hexane
	5028	n-Pentane
	5029	n-Propane
	9607	sec-Butyl Alcohol (2-Butanol)
	5120	Tetrahydrofuran (THF)
	5140	Toluene
	5260	Xylene (total)

J AOAC 2015
V98-6

818

Cannabinoids in Cannabis by HPLC-UV

5415	Cannabidiol (CBD)
5420	Cannabidiolic acid (CBDA)
5405	Tetrahydrocannabinol (THC)
5410	Tetrahydrocannabinolic acid (THCA)

ORELAP-SOP-
002 ORELAP-
SOP-002

9000115

Collecting Samples of Cannabis
Concentrates, Extracts, and Products

1405	Incremental Sampling
1405	Incremental Sampling
1441	Sampling
1441	Sampling