

## Certificate of Analysis

### Bluebird Botanicals

500 S Arthur Ave, Ste 300  
Boulder Colorado 80027 United States

<b>Sample Name:</b>	<b>0438 V</b>	<b>Eurofins Sample:</b>	<b>8702511</b>
<b>Project ID</b>	BLUEBIR_BO-20190805-0141	<b>Receipt Date</b>	05-Aug-2019
<b>PO Number</b>	CVD	<b>Receipt Condition</b>	Ambient temperature
<b>Sample Serving Size</b>		<b>Login Date</b>	05-Aug-2019
		<b>Date Started</b>	05-Aug-2019

Analysis	Specifications	Result
<b>Industrial Hemp Cannabinoid Profile</b>		
CBDVA		<0.0271 mg/mL
CBDV		0.0939 mg/mL
CBDA		<0.0271 mg/mL
CBGA		<0.0271 mg/mL
CBG		<0.0271 mg/mL
CBD		34.0 mg/mL
THCV		<0.0271 mg/mL
CBN		<0.0271 mg/mL
Delta 9-THC		<0.0271 mg/mL
Delta 8-THC		<0.0543 mg/mL
THCA		<0.0271 mg/mL
CBC		<0.0271 mg/mL
Total Cannabinoids	33.3 - 38 mg/mL	34.1 mg/mL
Total THC (THC + (THCA x 0.877))		<0.0271 mg/mL
Total CBD (CBD + (CBDA x 0.877))		34.0 mg/mL
CBDVA		<0.0271 mg/mL
CBDV		0.0912 mg/mL
CBDA		<0.0271 mg/mL
CBGA		<0.0271 mg/mL
CBG		<0.0271 mg/mL
CBD		33.6 mg/mL
THCV		<0.0271 mg/mL
CBN		<0.0271 mg/mL
Delta 9-THC		<0.0271 mg/mL
Delta 8-THC		<0.0543 mg/mL
THCA		<0.0271 mg/mL
CBC		<0.0271 mg/mL
Total Cannabinoids	33.3 - 38 mg/mL	33.6 mg/mL
Total THC (THC + (THCA x 0.877))		<0.0271 mg/mL
Total CBD (CBD + (CBDA x 0.877))		33.5 mg/mL

\* This analysis or component is not ISO accredited.

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Analysis	Specifications	Result
<b>Specific Gravity *</b>		
Density		1.085 g/mL

Method References	Testing Location
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<b>Industrial Hemp Cannabinoid Profile (IHCBD_S)</b>	<b>Food Integrity Innovation-Boulder</b>
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Official Methods of Analysis, Method 2018.11, AOAC INTERNATIONAL, (Modified). Lukas Vaclavik, Frantisek Benes, Alex Krmela, Veronika Svobodova, Jana Hajsolva and Katerina Mastovska, "Quantification of Cannabinoids in Cannabis Dried Plant Materials, Concentrates, and Oils Liquid Chromatography-Diode Array Detection Technique with Optional Mass Spectrometric Detection, " First Action Method, Journal of AOAC International, Future Issue

<b>Specific Gravity (SPGP_S)</b>	<b>Food Integrity Innovation-Boulder</b>
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NIST Handbook 133 - Checking the Net Contents of Packaged Goods, 2015 Edition (Modified)

Testing Location(s)	Released on Behalf of Eurofins by
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<b>Food Integrity Innovation-Boulder</b>	<b>Ian Laessig - Manager</b>
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Eurofins Food Chemistry Testing US, Inc.  
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800-675-8375



AT-1816

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