

## Certificate of Analysis

### Bluebird Botanicals

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

<b>Sample Name:</b>	<b>0398 CLX</b>	<b>Eurofins Sample:</b>	<b>8293647</b>
<b>Project ID</b>	BLUEBIR_BO-20190328-0067	<b>Receipt Date</b>	28-Mar-2019
<b>PO Number</b>	CA0053	<b>Receipt Condition</b>	Ambient temperature
<b>Sample Serving Size</b>	0.5 mL	<b>Login Date</b>	28-Mar-2019
		<b>Date Started</b>	28-Mar-2019

Analysis	Specifications	Result
<b>Industrial Hemp Cannabinoid Profile</b>		
CBDVA		<0.0230 mg/mL
CBDV		0.401 mg/mL
CBDA		0.234 mg/mL
CBGA		<0.0230 mg/mL
CBG		0.793 mg/mL
CBD		45.1 mg/mL
THCV		1.58 mg/mL
CBN		0.119 mg/mL
Delta 9-THC		1.61 mg/mL
Delta 8-THC		<0.0460 mg/mL
THCA		<0.0230 mg/mL
CBC		2.44 mg/mL
Total Cannabinoids	50 - 60 mg/mL	52.3 mg/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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Vaclavik, L., Benes, F., Krmela, A., Svobodova, V., Hajslova, J., Mastovska, K., "Quantification of Cannabinoids in Cannabis Dried Plant Materials and Concentrates Using Liquid Chromatography-Diode Array Detection Technique with Optional Mass Spectrometric Detection: A Single Laboratory Validation Study", submitted for AOAC SMPR 2017.001 and 2017.002.

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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800-675-8375



AT-1816

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