

## Certificate of Analysis

### Bluebird Botanicals

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

<b>Sample Name:</b>	<b>0394 SX</b>	<b>Eurofins Sample:</b>	<b>8232531</b>
<b>Project ID</b>	BLUEBIR_BO-20190311-0057	<b>Receipt Date</b>	11-Mar-2019
<b>PO Number</b>	CA0052	<b>Receipt Condition</b>	Ambient temperature
<b>Sample Serving Size</b>		<b>Login Date</b>	11-Mar-2019

Analysis	Specifications	Result
<b>Quantitation of Cannabinoids in Cannabis Dried Plant Materials and Concentrates using Liquid Chromatography - Diode Array Detection Technique</b>		
CBDVA		<0.0232 mg/mL
CBDV		0.341 mg/mL
CBDA		0.265 mg/mL
CBGA		<0.0232 mg/mL
CBG		0.814 mg/mL
CBD		48.7 mg/mL
THCV		<0.0232 mg/mL
CBN		0.198 mg/mL
Delta 9-THC		1.90 mg/mL
Delta 8-THC		0.293 mg/mL
THCA		<0.0232 mg/mL
CBC		2.76 mg/mL
Total Cannabinoids	50 - 60 mg/mL	55.2 mg/mL
CBDVA		<0.0232 mg/mL
CBDV		0.390 mg/mL
CBDA		0.283 mg/mL
CBGA		<0.0232 mg/mL
CBG		0.812 mg/mL
CBD		48.7 mg/mL
THCV		<0.0232 mg/mL
CBN		0.216 mg/mL
Delta 9-THC		1.82 mg/mL
Delta 8-THC		0.297 mg/mL
THCA		<0.0232 mg/mL
CBC		2.72 mg/mL
Total Cannabinoids	50 - 60 mg/mL	55.2 mg/mL
<b>Specific Gravity *</b>		
Density		1 mg/mL

\* This analysis or component is not ISO accredited.

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#### Method References

#### Testing Location

#### Quantitation of Cannabinoids in Cannabis Dried Plant Materials and Concentrates using Liquid Chromatography - Diode Array Detection Technique (IHCBD\_S)

Food Integrity Innovation-Boulder

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.

#### Specific Gravity (SPGP\_S)

Food Integrity Innovation-Boulder

NIST Handbook 133 - Checking the Net Contents of Packaged Goods, 2015 Edition (Modified)

#### Testing Location(s)

#### Released on Behalf of Eurofins by

#### Food Integrity Innovation-Boulder

Ian Laessig - Manager

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AT-1816

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