



# CERTIFICATE OF ANALYSIS



**Customer:** Bluebird Botanicals - Louisville, CO 80027

<b>Order #:</b> 709896	<b>Specimen Type:</b> Extract	<b>Initial Gross Weight:</b> 39456.00(mg)
<b>Batch #:</b> 0465 S	<b>Description:</b> Hemp CBD Oil	<b>Specimen Weight:</b> 116.09(mg)
<b>Order Date:</b> 12/10/2019	<b>Extracted From:</b> HEMP	<b>Density:</b> 0.9333(g/ml)
<b>Collection Date:</b> 12/10/2019	<b>Method:</b> SOP-3	
<b>Report Date:</b> 12/17/2019		

## Pathogenic Microbiology (qPCR) ( Passed )

Analyte	Remark	Analyte	Remark	Analyte	Remark
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	Absence	Salmonella	Absence	STEC	Absence

Xueli Gao, Ph.D., DABT  
Lab Toxicologist

Aixia Sun, D.H.Sc., M.Sc., B.Sc., MT (AAB)  
Principal Scientist

\* Total CBD = CBD + (CBD-A \* 0.877). Total THC = THCA-A \* 0.877 + Delta 9 THC, ND = <LOQ, T-Caryophyllene = Trans-Caryophyllene, <LOQ = Less Than Limit of Quantitation, QNS = Quantity Not Sufficient. (%) = Percent, (ppm) = Parts per Million, (ppb) = Parts per Billion, (µg/Kg) = Microgram per Kilogram, (mg/g) = Milligram per Gram, ppm = (µg/g), ppb = (µg/kg).

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Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.

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