Bluebird Botanicals 500 5 Arthur Ave Ste 300 Louisville, CO 80027

Certificate of Analysis



Batch #: 0461 Essential Sample #: AAAA635

Specimen Type: CBD/HEMP Derivative Products (External Use)

Extracted From: Hemp

Description: Full spectrum lotion

Method: SOP-3



Residual Solvents (Extract Only) (Passed)											(GC/GCMS)	
Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	
Acetone	5000	<l0q< th=""><th>87.9</th><th>Benzene</th><th>1.6</th><th><l0q< th=""><th>1.6</th><th>Chloroform</th><th>53</th><th><l0q< th=""><th>53</th></l0q<></th></l0q<></th></l0q<>	87.9	Benzene	1.6	<l0q< th=""><th>1.6</th><th>Chloroform</th><th>53</th><th><l0q< th=""><th>53</th></l0q<></th></l0q<>	1.6	Chloroform	53	<l0q< th=""><th>53</th></l0q<>	53	
Ethanol	5000	<l0q< th=""><th>26.7</th><th>Hexane</th><th>60</th><th><l0q< th=""><th>36.6</th><th>I-Butane</th><th>5000</th><th><l0q< th=""><th>100</th></l0q<></th></l0q<></th></l0q<>	26.7	Hexane	60	<l0q< th=""><th>36.6</th><th>I-Butane</th><th>5000</th><th><l0q< th=""><th>100</th></l0q<></th></l0q<>	36.6	I-Butane	5000	<l0q< th=""><th>100</th></l0q<>	100	
Isopropanol	5000	Passed	52.3	Methanol	3000	<l0q< th=""><th>87.9</th><th>N-Butane</th><th>5000</th><th><l0q< th=""><th>200</th></l0q<></th></l0q<>	87.9	N-Butane	5000	<l0q< th=""><th>200</th></l0q<>	200	
Pentane	5000	<l0q< th=""><th>389.5</th><th>Toluene</th><th>890</th><th><l0q< th=""><th>38.4</th><th></th><th></th><th></th><th></th></l0q<></th></l0q<>	389.5	Toluene	890	<l0q< th=""><th>38.4</th><th></th><th></th><th></th><th></th></l0q<>	38.4					

(ppm) = Parts per Million, (ppm) = $(\mu g/g)$, , LOQ = Limit of Quantitation

and our

Xueli Gao Lab Toxicologist

Aixia Sun

Principal Scientist

D.H.Sc., M.Sc., B.Sc., MT (AAB)

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