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Client Name: Miracle Nutritional Products
 Date: 9/21/2018
 Sample ID No.: 48922

CERTIFICATE OF ANALYSIS: CBD Baby Bear 20mg

Product Name
 CBD Baby Bear 20mg

Product Description
 This product is hemp derived cannabidiol, Manufactured through CO2 extraction. CBD content is double validated through HPLC and Convergence Chromatography.

Product Code
 BABYBEAR

Batch No.
 Batch 3100

Additional Information
 The values below represent batch analysis with pertinent data for each class of data. Each batch or sample may vary slightly; a certificate of analysis (COA) with exact values will be issued with each order. Questions or concerns can be directed to biokineticlab@gmail.com.

Botanical Source
 Industrial Hemp, grown and processed in Kentucky, USA in compliance with Section 7606 of the Farm Bill and applicable Kentucky State Law and State Department of Agriculture regulations.

Qualitative Analysis

OBSERVATION	METHOD	RESULT
Foreign Matter	Gross Visual/Microscopic	Absent
Color	Gross Visual/Microscopic	Blue
Molds & Mildews	Gross Visual/Microscopic	Absent
Smell	Gross Visual/Microscopic	Absent
Product Feel	Gross Visual/Microscopic	Gelatin

Quantitative Analysis

Physical

IDENTIFICATION	METHOD	RESULT
% Moisture	AOAC 4.1.03	NT

Microbial Analysis

IDENTIFICATION	METHOD	RESULT
Standard Plate Count	BAM-3	NEGATIVE
Total Aflatoxin	AOAC 49.2.05	NEGATIVE
Total Yeast	BAM-18	NEGATIVE
Total Mold	BAM-18	NEGATIVE

Cannabinoid Analysis

IDENTIFICATION	METHOD	RESULT
Cannabinoid	HPLC-DAD	%wt/wt
Cannabidiolic Acid (CBDA)	HPLC-DAD	0.2mg per candy
Cannabidiol (CBD)	HPLC-DAD	21.4mg per candy
Cannabidivarin (CBDV)	HPLC-DAD	N/D
Tetrahydrocannabinolic Acid	HPLC-DAD	N/D
Δ -9-Tetrahydrocannabinol	HPLC-DAD	N/D
Cannabinol (CBN)	HPLC-DAD	0.1mg per candy
Cannabigerol (CBG)	HPLC-DAD	0.6mg per candy

Terpene Analysis

IDENTIFICATION	METHOD	RESULT
Trans-Nerolidol	NT	NT
A-bisabolol	NT	NT
B-caryophyllene	NT	NT
Humulene	NT	NT
Terpineol	NT	NT
Limonene	NT	NT
A-phellandrene	NT	NT

Heavy Metal Analysis

IDENTIFICATION	METHOD	RESULT
Arsenic	6010B	N/D
Cadmium	6010B	N/D
Chromium	6010B	N/D
Lead	6010B	N/D
Mercury	6010B	N/D

Pesticide Analysis

IDENTIFICATION	METHOD	RESULT
Multi Residue Pesticide Analysis	AOAC 2007.1	N/D

Residual Solvent Analysis

IDENTIFICATION	METHOD	RESULT
Hexanes	GC/MS HEADSPACE	N/D
Acetone	GC/MS HEADSPACE	N/D
Ethanol	GC/MS HEADSPACE	N/D
Isopropyl Alcohol	GC/MS HEADSPACE	N/D