Micro Quality Labs, Inc.

Specializing in Pharmaceutical, Dietary Supplements, Toys and Cosmetics Testing
3125 N. Damon Way • Burbank, California 91505
(818) 845-0070 • Fax: (818) 845-0030
E-Mail: Karine@MicroQualityLabs.com

ACCREDITED
Test Lab Cert 3034.01

Customer: **Blue Diamond Herbs**
Address: 8029 Fairview Rd. STE E
Mint Hill, NC 28227

ANALYTICAL/CHEMICAL CERTIFICATE OF ANALYSIS

Sample Name: **THE GODFATHER MAENG DA**
Product Code: N/A
Batch/Lot: BDH107GF
MQL Accession: 210701-0218

PO#: N/A
Sample Description: RAW
Rush: N/A
Received Date: 07/01/21

Test Requested:	Test Method:	Specification:	Results:
Arsenic	MQLTM-0278 By ICP-MS	N/A	0.055 ppm
Cadmium	MQLTM-0278 By ICP-MS	N/A	0.023 ppm
Mercury	MQLTM-0278 By ICP-MS	N/A	0.012 ppm
Lead	MQLTM-0278 By ICP-MS	N/A	0.303 ppm

Prepared By:
Stella Garibian/Document Control Specialist — JUL 0 9 2021 — 07/09/21

Reviewed By:
Krista Otanez/Quality Assurance Coordinator — JUL 0 9 2021 — 07/09/21

Micro Quality Laboratories, Inc. (MQL), is an A2LA ISO 17025 accredited testing laboratory (Certificate Number 3034.01). The requirements of ISO 17025 were followed for the test, results and preparation of this certificate of analysis.
MQL's scope of accreditation may be found on A2LA or MQL websites.

The aforementioned results on this report are representative of the samples submitted and may not be indicative of the entire manufacture, batch, and/or lot. Applicable current GMP's shall always be used when sampling. GLP's shall always be practiced by Micro Quality Labs to ensure the most accurate results.

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A2LA ACCREDITED
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Customer: **Blue Diamond Herbs**
Address: 8029 Fairview Rd. STE E
Mint Hill, NC 28227

Received From:	Mint Hill, NC
Received Date:	06/30/21
Release Date:	07/13/21
PO #	N/A

MICROBIOLOGICAL CERTIFICATE OF ANALYSIS

Sample Name: THE GODFATHER MAENG DA 50G POWDER
Product Code: N/A
Batch/Lot #: BDH107GF
MQL Accession #: 1127068

Description: RAW

Analyte:	Result:	Method:	Test Date:	Comment:
TPC	$2.1x10^4$cfu/gm	TM-01 (Modified USP61)	06/30/21	N/A
Yeast/Mold	$3.0x10^3$cfu/gm	TM-01 (Modified USP61)	06/30/21	N/A
Coliforms	10^3cfu/gm	TM-01A (Modified USP62)	06/30/21	N/A
E.coli	Absent	TM-01A (Modified USP62)	06/30/21	N/A
Pseudomonas spp.	Absent	TM-01A (Modified USP62)	06/30/21	N/A
S.aureus	Absent	TM-01A (Modified USP62)	06/30/21	N/A
Salmonella/Shigella	Absent	TM-01A (Modified USP62)	06/30/21	N/A

All Products were tested in accordance with the USP Standard for Total Plate Count and Enrichment. Additional guidance was referenced by CTFA *Microbiological Guidelines*.

JUL 13 2021

Prepared By: Erika Zayas/ Document Control Specialist Reviewed By: Ani Zohrabyan/Microbiologist Date:

COMMENT REV.01: Mold comment removed upon client's request.

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This report is submitted for the exclusive use of the person, partnership, or corporation to whom it is addressed, and neither the report nor the name of Micro Quality Labs, Inc. nor any member of its staff, may be used in connection with the advertising or sale of any product or process without written authorization from Micro Quality Labs, Inc. Failure to comply will result in immediate legal action by Micro Quality Labs, Inc.

United States Pharmacopeia (USP) Limit for Nutritional Supplements:

- Arsenic 3.000 ppm / 3000.000 ppb
- Cadmium 3.000 ppm / 3000.000 ppb
- Lead 10.000 ppm / 10000.000 ppb
- Mercury 3.000 ppm / 3000.000 ppb

California Proposition 65 Daily Limits for Heavy Metals:

- Arsenic 10 ppm / 10,000.000 ppb
- Cadmium 4.1 ppm / 4,100.000 ppb
- Lead 0.5 ppm / 500.000 ppb**
- Methyl Mercury 0.3 ppm / 300.000 ppb

For labels with a single daily dose of 500mg, the PPM in products cannot be higher than:

- Arsenic = 20.000 ppm / 20,000.000 ppb
- Cadmium = 8.000 ppm / 8,000.000 ppb
- Lead = 0.900 ppm / 900.000 ppb
- Mercury = 0.600 ppm / 600.000 ppb

FDA Tolerable Daily Diet Lead intake:

- Children <6 years old = 6.000 ppm / 6000.000 ppb
- Pregnant women = 25.000 ppm / 25000.000 ppb
- Adults = 75.000 ppm / 75000.000 ppb

AHPA
AMERICAN HERBAL PRODUCTS ASSOCIATION

Recommended Microbial Limits for Botanical Ingredients (in colony-forming units (cfu)/g)

[Current as of July 2012]

Organization	AHPA	NSF/ANSI	USP	WHO	EHIA	EP	AHPA	USP
Plant material	Dried, unprocessed herbs for use as ingredients in dietary supplements	Botanical ingredient, non-extract	Dried or powdered botanicals	Untreated crude intended for further processing	NA	NA	Powdered botanical extracts and soft extracts	Powdered botanical extracts
Total aerobic microbial count	10^7	10^7	10^5	NA or 10^5-10^7 as per specific monographs	NA	NA	10^4	10^4
Total combined yeast & mold count	10^5	10^5	10^3	10^5 (mold propagules); Occasionally 10^4 for specific monographs	NA	NA	10^3	10^3
Enterobacteria count (bile-tolerant Gram-negative bacteria)	10^4 (Total coliforms)	10^4	10^3	10^3	NA	NA	10^2 (Total coliforms)	NA
Escherichia coli	Not detected in 10 g*	10^{2**}	Absence in 10 g	10^4	NA	NA	Not detected in 10 g*	Absence in 10 g
Salmonella spp.	Not detected in 25 g*	Not detected in 10 g	Absence in 10 g	NA or absent	NA	NA	Not detected in 25 g*	Absence in 10 g
Staphylococcus aureus	NA	Not detected in 10 g	NA	NA or absent	NA	NA	NA	NA

AHPA – American Herbal Products Association, Guidance, 8630 Fenton St. #918, Silver Spring, MD 20910; 301-588-1171.
EHIA – European Herbal Infusions Association
EP – European Pharmacopoeia
NSF/ANSI – NSF International Standard/American National Standard for Dietary Supplements 173 – 2006
USP – United States Pharmacopeial Convention, USP-NF 35-30, 2012
WHO – World Health Organization, *Quality control methods for medicinal plant materials*, Geneva, 1998
NA – Not Assigned
*Sample size may vary depending on the method used.
**If the presence of *Escherichia coli* is confirmed, then testing shall be performed based on the USFDA *Bacteriological Analytical Manual* in Chapter 4A to determine whether the colonies are pathogenic enterovirulent *Escherichia coli* (EEC), not limited to 0157:H7. There is a zero tolerance for the presence of EEC.

(a) (i) for dried, unprocessed herbs for use as ingredients in dietary supplements, and (ii) for herbal supplements in solid form consisting of dried, unprocessed herbs:

- Total aerobic plate count: 10^7 colony forming units/gram
- Total yeasts and molds: 10^5 colony forming units/gram
- Total coliforms: 10^4 colony forming units/gram
- Salmonella spp.: not detected in 25 grams
- Escherichia coli: not detected in 10 grams
- Total aflatoxins (B1 + B2 + G1 + G2): 20 µg/kg (ppb)
- Aflatoxin B1: 5 µg/kg (ppb)