



NuEthix

FORMULATIONS

5208 ARBOR KNOLL LN INDEPENDENCE, KY 41051 • WWW.NUETHIX.COM

CERTIFICATE OF ANALYSIS

Product: **ESSENTIAL ENERGY**

Product Code: **NU441**

DATE: **06/17/2022**

Lot No: **2202384**

Serving Size : **18804.72 mg**

Manufacture Date: **05/2022**

PHYSICAL CHARACTERISTICS

TEST

Description/ Appearance

Odor/ Flavor

Spectral Match

SPECIFICATION

White Of Off-White

Characteristic

Consistent With

Standard

RESULT

white

Characteristic

Consistent

METHOD

Organoleptic

Organoleptic

FT-IR

AMOUNT PER SERVING

INGREDIENT

BCAA2:1:1

L-Leucine

L-Isoleucine

L-Valine

EAA

L-Lysine (As HCl)

L-Threonine

L-Histidine (As HCl)

L-Tryptophan

L-Phenylalanine

L-Methionine

L-Citrulline Malate 1:1

Energy BHB Keto Salts

Sodium BHB

Calcium BHB

NLT 2500mg

2859.25 mg

HPLC

NLT 1250mg

1348.44 mg

HPLC

NLT 1250mg

1497.03 mg

HPLC

NLT 1250mg

1312.5mg

PPCS‡

NLT 900mg

945mg

PPCS‡

NLT 100mg

105mg

PPCS‡

NLT 100mg

105mg

PPCS‡

NLT 100mg

105mg

PPCS‡

NLT 50mg

52.5mg

PPCS‡

NLT 1500mg

1575mg

PPCS‡

NLT 3000mg

3150mg

PPCS‡

NLT 1500mg

1575mg

PPCS‡

CONTAMINANTS

MICROBIOLOGICAL

Total Aerobic Plate Count

<10⁷ cfu/g

100 cfu/g

USP <61>

Total Yeast and Mold (Y&M)

<10⁵ cfu/g

<10 cfu/g

USP <61>

Enterobacteriaceae

<10⁴ cfu/g

<10 cfu/g

USP <62>

Salmonella spp.

Absent

Absent

USP <62>

E. Coli

Absent

Absent

USP <62>

Staphylococcus aureus

Absent

Absent

USP <62>

HEAVY METALS:

Mercury (2µg/day)

0.1064 ppm

0.0065 ppm

ICP/MS

Lead (12.5µg/day)

0.6647 ppm

0.0533 ppm

ICP/MS

Arsenic (10µg/day)

0.5318 ppm

0.0177 ppm

ICP/MS

Cadmium (4.1µg/day)

0.2180 ppm

0.0013 ppm

ICP/MS

‡In accordance with 21 CFR § 111.75 (c) or (d) ingredient is exempt from testing. Result is substantiated through component testing and/or examination; in-process testing, examination, and/or monitoring; and other aspects of the established Production and Process Control System (PPCS).