



NuEthix

FORMULATIONS

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

CERTIFICATE OF ANALYSIS

Product: **ESSENTIAL ENERGY**

Product code : **NU441**

DATE: **11/19/2021**

Lot No: **2105203**

Serving Size : **18804.72 mg**

Manufacture Date: **06/2021**

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

BCAA 2:1:1

Ingredient	Specification	Result	Method
L-Leucine	NLT 2500mg	2988.06 mg	HPLC
L-Isoleucine	NLT 1250mg	1352.24 mg	HPLC
L-Valine	NLT 1250mg	1317.28 mg	HPLC

EAA

Ingredient	Specification	Result	Method
L-Lysine (As HCl)	NLT 1250mg	1312.5mg	PPCS [‡]
L-Threonine	NLT 900mg	945mg	PPCS [‡]
L-Histidine (As HCl)	NLT 100mg	105mg	PPCS [‡]
L-Tryptophan	NLT 100mg	105mg	PPCS [‡]
L-Phenylalanine	NLT 100mg	105mg	PPCS [‡]
L-Methionine	NLT 50mg	52.5mg	PPCS [‡]
L-Citrulline Malate 1:1	NLT 1500mg	1575mg	PPCS [‡]

Energy BHB Keto Salts

Ingredient	Specification	Result	Method
Sodium BHB	NLT 3000mg	3150mg	PPCS [‡]
Calcium BHB	NLT 1500mg	1575mg	PPCS [‡]

CONTAMINANTS

MICROBIOLOGICAL

Contaminant	Specification	Result	Method
Total Aerobic Plate Count	<10 ⁷ cfu/g	200 cfu/g	USP <61>
Total Yeast and Mold (Y&M)	<10 ⁵ cfu/g	<10 cfu/g	USP <61>
Enterobacteriaceae	<10 ⁴ 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>

QUALITY CONTROL