



DATE: 07/16/2018

CERTIFICATE OF ANALYSIS

Product: **ESSENTIAL ENERGY**
Product code : **14380**
Prepared For: **NUETHIX**

Lot No: **1805146**

Serving Size: **18804.72 MG**
Manufacture Date: **06/2018**

PHYSICAL CHARACTERISTICS

| <u>TEST</u> | <u>SPECIFICATION</u> | <u>RESULT</u> | <u>METHOD</u> |
|------------------------|----------------------|---------------|---------------|
| DESCRIPTION/APPEARANCE | WHITE – OFF-WHITE | COMPLIES | IN-HOUSE |
| ODOR/ FLAVOR | CHARACTERISTIC | COMPLIES | ORGANOLEPTIC |

ASSAY: AS PER SERVING

| <u>INGREDIENTS</u> | <u>LABEL</u> | <u>SPEC</u> | <u>RESULT</u> | <u>METHOD</u> |
|------------------------------|--------------|-------------|---------------|---------------|
| BCAA 2:1:1 | | | | |
| L-LEUCINE | 2500 MG | NLT 100.0% | 118.0% | BY HPLC |
| L-ISOLEUCINE | 1250 MG | NLT 100.0% | 103.6% | BY HPLC |
| L-VALINE | 1250 MG | NLT 100.0% | 104.0% | BY HPLC |
| EAA | | | | |
| L-LYSINE (AS HCl) | 1250 MG | NLT 100.0% | 105.0% | BY INPUT |
| L-THREONINE | 900 MG | NLT 100.0% | 105.0% | BY INPUT |
| L-HISTIDINE (AS HCl) | 100 MG | NLT 100.0% | 105.0% | BY INPUT |
| L-TRYPTOPHAN | 100 MG | NLT 100.0% | 105.0% | BY INPUT |
| L-PHENYLALANINE | 100 MG | NLT 100.0% | 105.0% | BY INPUT |
| L-METHIONINE | 50 MG | NLT 100.0% | 105.0% | BY INPUT |
| L-CITRULLINE MALATE 1:1 | 1500 MG | NLT 100.0% | 105.0% | BY INPUT |
| ENERGY BHB KETO SALTS | | | | |
| SODIUM BHB | 3000 MG | NLT 100.0% | 105.0% | BY INPUT |
| CALCIUM BHB | 1500 MG | NLT 100.0% | 105.0% | BY INPUT |

MICROBIOLOGICAL CONTAMINANTS

| <u>TEST</u> | <u>SPECIFICATION</u> | <u>RESULT</u> | <u>METHOD</u> |
|----------------------------|------------------------|---------------|---------------|
| Total Aerobic Plate Count | <10 ⁴ cfu/g | 600 cfu/g | USP <61> |
| Total Yeast and Mold (Y&M) | <10 ³ cfu/g | <10 cfu/g | USP <61> |
| Enterobacteriaceae | <10 ² cfu/g | <10 cfu/g | USP <62> |
| Salmonella sp. | Negative | Negative | USP <62> |
| E. Coli | Negative | Negative | USP <62> |
| Staphylococcus aureus | Negative | Negative | USP <62> |

THIS ASSAY IS BASED ON THE INPUT AT THE TIME OF MANUFACTURING.


(QUALITY CONTROL)