



CERTIFICATE OF ANALYSIS

PRODUCT NAME: SHEANUT NILOTICA BUTTER, UNREFINED

LOT NUMBER: LOT0012050

PRODUCT INCI: BUTYROSPERMUM PARKII BUTTER

PRODUCT CODE: K0425

CAS NUMBER: 194043-92-0 / 91080-23-8

EINECS NUMBER: 293-515-7

MANUFACTURING METHOD: EXPELLER PRESSED

MANUFACTURING DATE: 04/07/2021

BEST BEFORE DATE: 14/07/2023

| ANALYTICAL DETAILS | | RANGE % | RESULTS |
|--------------------------|----------------|---------|---------|
| APPEARANCE | SOFT BUTTER | | - |
| COLOUR | YELLOW | | - |
| ODOUR | CHARACTERISTIC | | - |
| ACID VALUE | <12.0 | | 4.39 |
| IODINE VALUE | 40.0 – 80.0 | | 63.0 |
| PEROXIDE VALUE | <10.0 | | 1.3 |
| FREE FATTY ACID | <6.0 | | 2.2 |
| REFRACTIVE INDEX @ 20 °C | 1.457 – 1.467 | | 1.4622 |
| SAPONIFICATION VALUE | 178.0 – 198.0 | | 185.4 |

| FATTY ACID PROFILE | | RANGE % | RESULTS |
|--------------------|-----------|-------------|---------|
| C-CHAIN | ACID NAME | | |
| C16:0 | PALMITIC | 3.0 – 10.0 | 4.0 |
| C18:0 | STEARIC | 15.0 – 50.0 | 27.6 |
| C18:1 | OLEIC | 50.0 – 75.0 | 59.8 |
| C18:2 | LINOLEIC | 2.0 – 10.0 | 6.0 |
| C20:0 | ARACHIDIC | <2.0 | 1.0 |