

## **CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	Shea Butter
<b>INCI Name</b>	
<b>CAS Number</b>	194043-92-0
<b>Lot Number</b>	6016F23/01
<b>Manufacture Date</b>	06/2023
<b>Re-test Date</b>	06/2025
<b>Quality</b>	100% Pure and Natural ; Pressed and Refined

PROPERTIES	SPECIFICATIONS	RESULTS
<b>Appearance</b>	Solid butter	CONFORM
<b>Acid Value</b>	$\leq 0.5$ mgKOH/g	0.18
<b>Iodine Value</b>	45.0 - 65.0 gI <sub>2</sub> /100g	51.7
<b>Saponification Value</b>	165 - 188 mgKOH/g	185.9
<b>Peroxide Value</b>	$\leq 2.0$ meqO <sub>2</sub> /kg	0.8
<b>Colour</b>	$\leq 50.0Y/5.0R$	6.9Y/0.9R
<b>Unsaponifiable Matter</b>	4.0 - 10.0 %	CONFORM
<b>Pour Point</b>	38.0 - 48.0 °C	CONFORM
<b>Melting Point</b>	40.0 - 50.0 °C	CONFORM

## **FATTY ACID COMPOSITION %(GLC):**

FATTY ACID	SPECIFICATIONS (%)	RESULTS (%)
<b>C12:0 Lauric Acid</b>	$\leq 2.0$	0.03
<b>C14:0 Myristic Acid</b>	$\leq 1.0$	0.04
<b>C16:0 Palmitic Acid</b>	3.00 – 8.00	6.90
<b>C16:1 Palmitoleic Acid</b>	$\leq 0.5$	0.12
<b>C17:0 Margaric Acid</b>	$\leq 0.1$	Tr.
<b>C17:1 Margaroleic Acid</b>	$\leq 0.1$	Tr.
<b>C18:0 Stearic Acid</b>	35.00 – 45.00	42.63
<b>C18:1 Oleic Acid</b>	40.00 – 50.00	41.64

**Disclaimer:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.

<b>C18:2 Linoleic Acid</b>	4.00 – 10.0	7.90
<b>C18:3 Linolenic Acid</b>	≤ 0.5	0.11
<b>C20:0 Arachidic Acid</b>	≤ 2.0	0.51
<b>C20:1 Eicosenoic Acid</b>	≤ 1.5	1.3
<b>C22:0 Behenic Acid</b>	≤ 0.5	Tr.

#### STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

**As it is electronically generated document, hence no signature required.**

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