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Certificate Of Analysis

PRODUCT NAME & SKU: Shea Butter, refined TSK-BUT012

CERTIFICATE OF ANALYSIS		
PRODUCT NAME: SHEANUT BUTTER, REFINED		
LOT NUMBER: LOT0024117		
PRODUCT INCI: BUTYROSPERMUM PARKII BUTTER		
PRODUCT CODE: K0421		
CAS NUMBER: 194043-92-0 / 91080-23-8		
EINECS NUMBER: 293-515-7		
MANUFACTURING METHOD: EXPELLER PRESSED & REFINED		
MANUFACTURING DATE: 23/09/2024		
BEST BEFORE DATE: 23/09/2026		

ANALYTICAL DETAILS		RANGE %	RESULTS
APPEARANCE	SOFT BUTTER		-
COLOUR	OFF WHITE - IVORY		-
COLOUR (LOVIBOND)	<12Y, 1.5R		COMPLIES
ODOUR	FAINT ODOUR		-
ACID VALUE (MG KOH/G)	≤ 1.0		0.28
PEROXIDE VALUE (MEQ O2/KG)	≤5.0		0.3
IODINE VALUE	45.0 – 68.0		67.8
SAPONIFICATION VALUE	168.0 – 190.0		185.0
UNSATONIFIABLE MATTER	5.0 – 10.0		5.89
FREE FATTY ACID (% AS OLEIC)	≤1.0		0.14
SPECIFIC GRAVITY @20°C	0.900 – 0.940		COMPLIES
MELTING POINT °C	30.0 – 42.0		34.0
MOISTURE	≤0.10		COMPLIES

FATTY ACID PROFILE		RANGE %		RESULTS
C-CHAIN	ACID NAME			
C16:0	PALMITIC	3.0 – 8.0		3.2
C18:0	STEARIC	40.0 – 50.0		43.0
C18:1	OLEIC	40.0 – 50.0		45.1
C18:2	LINOLEIC	3.0 – 9.0		6.4
C18:3	LINOLENIC	≤ 1.0		0.1
C20:0	ARACHIDIC	≤ 3.0		1.6