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Certificate Of Analysis

Product and SKU: Mango Butter TSK-BUT007

CERTIFICATE OF ANALYSIS

PRODUCT NAME: MANGO, BUTTER
LOT NUMBER: LOT0024541
PRODUCT INCI: MANGIFERA INDICA SEED BUTTER
PRODUCT CODE: K0280/K0624
CAS NUMBER: 90063-86-8
EINECS NUMBER: 290-045-4
MANUFACTURING METHOD: EXPELLER PRESSED & REFINED
MANUFACTURING DATE: 24/10/2024
BEST BEFORE DATE: 24/02/2027

ANALYTICAL DETAILS		RANGE %	RESULTS
APPEARANCE	SOFT – SEMI SOLID BUTTER		-
COLOUR	OFF WHITE – PALE YELLOW		-
ODOUR	ODOURLESS		-
COLOUR (LOVIBOND 5.25" CELL)	$\leq 45Y / \leq 5R$		25.0Y, 3.8R
FREE FATTY ACID (% AS OLEIC)	≤ 0.3		0.06
IODINE VALUE (G I ₂ /100G)	38.0 – 48.0		44.48
SAPONIFICATION VALUE (MG KOH/G)	180.0 – 195.0		194.6
UNSAAPONIFIABLE MATTER (%)	≤ 2.0		1.2
SLIP MELTING POINT (C)	30.0 – 40.0		32.0
PEROXIDE VALUE	≤ 10.0		0.46

FATTY ACID PROFILE		RANGE %	RESULTS
C-CHAIN	ACID NAME		
C16:0	PALMITIC	4.0 – 9.0	6.4
C18:0	STEARIC	35.0 – 50.0	40.1
C18:1	OLEIC	35.0 – 50.0	44.2
C18:2	LINOLEIC	1.0 – 4.0	4.0
C20:0	ARACHIDIC	2.0 – 6.0	3.7