



TDS Technical Data Sheet

A0702.02.01

PRODUCT NAME (UE)	REFINED SHEA NUT OIL
PRODUCT NAME (ITA)	OLIO DI NOCI DI KARITE' RAFFINATO
INCI NAME (UE)	BUTYROSPERMUM PARKII EXTRACT
INCI NAME (US)	BUTYROSPERMUM PARKII EXTRACT
CAS NUMBER	91080-23-8
EINECS NUMBER	293-515-7

	U.M.	TEST METHODS	RANGE
Physical status at 25C°		Visual	Liquid
Acid value	mgKOH/g	AOCS Cd3d-63	≤0.5
Iodine value	gI ₂ /100	AOCS Tg2a-64	75 – 90
Saponification value	mgKOH/g	AOCS Cd3-25	175 –1950
Peroxide value	meq O ₂ /kg	AOCS Cd8-53	≤2.0
Colour	Yellow/Red	Lovibond cell 5" ¼	≤50.0Y/5.0R
Density at 20C°	g/cc	ASTM D1298-85	0.915 – 0.940
Cloud point	°C	AOCS Cc6-25	≤+10.0
Pour point	°C	ASTM D97-87	≤+5.0

Fatty acids composition %(GLC):

Lauric	C12:0	≤0.1
Myristic acid	C14:0	≤0.2
Palmitic acid	C16:0	3.5 – 6.5
Palmitoleic acid	C16:1	≤1.5
Stearic acid	C18:0	5.0 – 9.0
Oleic acid	C18:1	68.0 – 78.0
Linoleic acid	C18:2	9.0 – 18.0
Alpha-Linolenic acid	C18:3	≤1.0
Arachidic acid	C20:0	≤0.5
Eicosenoic acid	C20:1	≤0.5
Behenic acid	C22:0	≤0.5
Erucic acid	C22:1	≤1.5

Special advise for storage conditions: The product must kept into the original packages, protected from moisture, properly closed under cover. Storage temperature between 10 to max 22°C. The min shelf life is 12 month and the max shelf life is 24 month – Effect of temperature <10°C partially solidification of the saturated fatty acids and of the natural fraction that are added into the product. Effect of temperature >40°C possible autoxidation and peroxide value increases

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