



Certificate of Analysis

Product Name:	Cocoa Absolute Oil	CAS No.:	8002-31-1; 84649-99-0
Botanical Name:	<i>Theobroma cacao</i>	Quality:	100% Pure and Natural
Used Part:	Seeds (Beans)	Batch Number:	Varies
Synonyms:	Cacao Absolute Oil Cacao Essential Oil Cocoa Absolute Oil Cocoa Essential Oil	Manufacture Date:	Varies
		Best Before:	Varies

IDENTIFICATION		SPECIFICATION	STANDARDS	RESULT
Physical	Appearance	Pale brown colored thick liquid of pourable viscosity	-	Complies
	Odour	Warm, sweet, rich aroma of dark unsweetened chocolate	-	Complies
	Refractive Index	1.460 - 1.490 20°C	-	1.470
	Specific Gravity (g/mL)	1.080 - 1.250 20°C	-	1.183
	Solubility	Soluble in alcohols and fixed oils; Insoluble in water	-	Complies
Chemical	Lead (Pb)	< 10 ppm	-	Complies
	Arsenic (As)	< 2 ppm	-	Complies
	Mercury (Hg)	< 1 ppm	-	Complies
Microbial	Aerobic Mesophilic Bacterial Count	< 100 cfu/g	ISO 21149	Complies
	Yeast & Mould	< 10 cfu/g	ISO 16212	Complies
	Candida albicans	Negative	ISO 18416	Complies
	Escherichia coli	Negative	ISO 21150	Complies
	P. aeruginosa	Negative	ISO 22717	Complies
	S. aureus	Negative	ISO 22718	Complies

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

