

TECHNICAL DATA SHEET BAOBAB SEED

COMPOSITION #	
Composition #	Quantity #
Water #	7,3 g/100g #
Protein #	35,2 g/100g #
Lipid #	29,2 g/100g #
Glucid #	19,4 g/100g #
Thiamine #	1,3 mg/100g #
Riboflavine #	0,13 mg/100g #
Niacine #	1,4 mg/100g #

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AMINOACIDS IN 100 g OF PROTEIN##	
Proline (PRO) #	0,62 mg/100g #
Histidine (HIS) #	1,43 mg/100g #
Leucine (LEU) #	7,48 mg/100g #
Lysine (LYS) #	17,36 mg/100g #
Arginine (ARC) #	8,62 mg/100g #
Isoleucine (ILE) #	7,10 mg/100g #
Methionine (MET) #	5,94 mg/100g #
Cysteine (CYS) #	12,63 mg/100g #
Phenylalanine (PHE) #	5,18 mg/100g #
Acide Glutamique (GLU) #	2,10 mg/100g #
Valine (VAL) #	0,76 mg/100g #
Threonine (THR) #	1,64 mg/100g #
Tyrosine (TYR) #	3,62 mg/100g #
Tryptophane (TRP) #	2,64 mg/100g #

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HYDROCARBON##	
Sugar #	6,41 ± 0,04 g/100g #
Glucose #	1,94 ± 0,16 g/100g #
Fructose #	4,32 ± 0,7 g/100g #
Sucrose #	0,31 ± 0,36 g/100g #
Soluble polysaccharide #	12,36 ± 0,14 g/100g #
Starch #	62,48 ± 0,01 g/100 #
Other polysaccharides #	14,36 ± 0,00 #

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MINERALS##	
Potassium #	1,74 ± 0,41 mg/100g #
Sodium #	1,64 ± 0,18 mg/100g #
Calcium #	0,53 ± 0,02 mg/100g #
Iron #	1,89 x 10 ⁽⁻⁴⁾ #
Magnesium #	0,20 ± 0,04 #
Zinc #	0,91 ± 0,01 #
Manganese #	2,84 x 10 ⁽⁻³⁾ #
Copper #	5,36 x 10 ⁽⁻³⁾ #
Phosphorus #	1,49 x 10 ⁽⁻⁴⁾ #
Ash #	2,15 g/100g #

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COMPOSITION OF SEED OIL'S STEROLS IN %##	
Composition #	Quantity #
Cholesterol #	2 #
Campesterol #	6 #
Stigmasterol #	1-2 #
β- sitosterol #	75 #
D5-avenasterol #	0,5 #
D7-stigmasterol #	0,6 #
D7-avenasterol #	12 #

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PHYSICAL - CHEMICAL COMPOSITION of OIL SEED IN % #	
Relative Density at 25° C #	0,937 #
Refraction index at 40° C #	1,4596-1,4633 #
Number of iode, Wijs #	55-96 #
% unsaponifiable #	2,8-3,8 #
Saponification value #	133-195 #
F.F.A. #	0,25 #
Free Fatty Acid #	6,48 ± 0,18 #
Peroxyd Value #	5,14 ± 0,12 #

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The Baobab seed accounts for a significant share of the baobab fruit (40%). It is composed of a thin epicarp with a white oily endocarp. 8 to 10% of vegetable oil can also be extracted from the seed (by pressing).

BAOBAB FRUIT SEEDS - TRADITIONAL USAGE

An oil rich in essential fatty acids (oleic, linoleic, and linolenic in particular) is extracted from the seeds, which can be used in the human diet and in cosmetics. The oil extracted from its seeds alleviates pain from burns and regenerates the epithelial tissues in a short time, giving the skin tone and elasticity.

In "Traditional Senegalese pharmacopoeia" the Baobab seed is used as:

- antiallergenic- antidiysenteric- anti-inflammatory

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