

# Specification Sheets

## Hibiscus Seed Oil

Version N° 1

Date Implemented : January 2012

Reference: 03HH/C

Hibiscus sabdariffa L. is an herbaceous plant, cultivated largely in tropical and subtropical areas of both hemispheres. This plant is used for its fibre; mainly for its calyx, which is of three types: green, red and dark red

The seeds of H. sabdariffa, with their richness in protein (26%), fat (20%) and total sugars (40%), are widely used in the diet in many African countries

<u>Component Entity</u>	<u>CAS Number</u>	<u>EINECS Number</u>	<u>Proportions [%w/w]</u>
Hibiscus Seed Oil	84775-96-2	283-920-7	100% pure

**Mode of Extraction** : First Cold Pressed

**Part Used** : Hibiscus Sabdariffa seed

**Botanical Name** : Hibiscus sabdariffa

**Origin of Seeds**: Egypt

**Quality**: The oil is extracted mechanically, 100% pure and Natural, virgin, first cold pressed, without chemical processing.

**Color**: Clear, brownish yellow oily liquid

**Smell**: characteristic

**Density**: 0.90 to 0.93

**Free Acidity**: Max 4

**Peroxyde Value**: Max 10 méqo<sup>2</sup>/kg

**Refractive Index**: 1,46- 1,48

<u>FATTY ACID PROFILE</u>		
<u>CONSTITUENT</u>	<u>CHAIN STRUCTURE</u>	<u>RANGE</u>
• <b>Palmitic:</b>	<b>C16:0</b>	18.0% to 22.0%
• <b>Stearic:</b>	<b>C18:0</b>	4.0% to 6.0%
• <b>Oleic:</b>	<b>C18:1 n9</b>	24.0% to 32.0%
• <b>Linoleic:</b>	<b>C18:2 n6</b>	38.0% to 45.0%

### **APPLICATIONS :**

Cosmetic, alimentary and pharmaceutical industries