

Product Specifications

Gum Olibanum (Luban)



Gum Olibanum is the dried, gummy exudation obtained from various species of Burseraceae trees. Also called Frankincense, is an aromatic resin used in incense and perfumes. It is an exudate gum obtained from trees of the genus *Boswellia* in the family Burseraceae, particularly *Boswellia sacra*

Sudanese origin: Known as Gum Olibanum or Frankincense or *Boswellia Thurifera*

Properties:

Gum Olibanum is available in small tears or lumps of white-yellowish or yellow-reddish colour. Gum Olibanum has a slight smell. It is available in different qualities from dust, siftings, peasize, to tears.

Olibanum is edible and is used in traditional medicines in Africa and Asia for digestion and healthy skin. For internal consumption, it is recommended that frankincense be translucent, with no black or brown impurities. It is often light yellow with a (very) slight greenish tint. It is often chewed like gum, but it is stickier.

Applications:

- Incense
- Fumigation agent for religious purposes
- Fixatives
- Chewing gum and others.
- Flavours and fragrances
- Perfumery
- Pharmaceutical: tooth paste, plasters.
- Recent studies have found positive influence of Olibanum on Rheumatism. In the classical Indian medicine, Gum Olibanum is used as an anti-inflammatory remedy and as a wound healer in TCM (Traditional Chinese Medicine).



Typical composition:

Oil content: approx. 5 to 9 % (Composition and chemical characteristics depend on origin)
Etherunsoluble residue: approx. 20 to 30 % (Polysaccharides)
Ethersoluble residue: approx. 40 to 60 % (Boswellic acid)
4-O-methyl-glucuronic acid (*Boswellia sacra*)
Resin acids: approx. 13-17 %
Acid resin (56 per cent), soluble in alcohol and having the formula $C_{20}H_{32}O_4$
Gum (similar to gum arabic) 30–36%
Incensole acetate
Phellandrene

Classification according to the Sudanese standards and metrology organization
The Specification according to the national analytical & Quality Control Laboratories

Grade (1)

Moisture = 2.4% Max
Purity = 99.8% Max
Ash = 1.5 % Max
Class = 1

Grade (2)

Moisture = 2.4% Max
Purity = 99.8% Max
Ash = 1.4 % Max
Class = 2

Grade (3)

Moisture = 2.4% Max
Purity = 99.8% Max
Ash = 1.7 % Max
Class = 3