

Bioprex Labs

BOSWELLIA SERRATA (Salai Guggul)



Chemical constituents : Salai guggul contains 8 – 9% essential oil, 20 – 23% gum and about 50% resin. The gum resin of Boswellia serrata contains three triterpenic acids known as α , β , γ – Boswellic acids, ursan type compound with pentacyclic triterpens.

Pharmacology :

- Boswellia serrata gum resin has been reported to have analgesic, anti-inflammatory, anti-arthritis and anti-pyretic activity.

Therapeutic uses:

- The gum resin is used in rheumatic disorders and nervous diseases.
- The oil obtained from the resin is used for skin disorders, anti-fungal activity.
- The extract of gum resin has been demonstrated to possess anti-bacterial and anti-inflammatory activity.

Standardisation : Boswellia serrata dry extract is standardized to contain 65%, 70%, 75% and 80% Boswellic acids.

ANALYTICAL SPECIFICATION

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PRODUCT SPECIFICATIONS : Boswellia serrata DE 65%

S.No	Parameters	Specification
01.	Description	Creamish yellow to Off white powder
02.	Organoleptic tests Odour	Characteristic
03.	Identification	By TLC
04.	Loss on Drying (at 105 ⁰ C)	NMT 5% w/w
05.	Ash content	NMT 8% w/w
06.	Solubility in water in alcohol	Insoluble NLT 90%w/v

07.	Heavy Metals	NMT 20 PPM
08.	Assay (on dried basis) Total Boswellic acids By non aqueous Titration	NLT 65% w/w
09.	Microbiological Profile :	
	Total Plate Count	< 1000 cfu / g
	Yeast & Moulds	< 100 cfu /g
	Salmonella	Negative
	E.Coli	Negative

PRODUCT SPECIFICATIONS : 3-Acetyl-11-Keto- β -Boswellic acids-30% (AKBBA)

S.No	Parameters	Specification
01.	Description	Creamy yellow to Off white powder
02.	Organoleptic tests Odour	Characteristic
03.	Identification	Positive for Boswellic Acids by TLC
04.	Loss on Drying (at 105 ⁰ C)	NMT 5% w/w
05.	Solubility in water in alcohol	In Soluble NLT 90% w/v
06.	Heavy Metals	NMT 20 PPM
07.	Assay (on dried basis) AKBBA by HPLC Total Boswellic acids By non aqueous Titration	NLT 30% w/w NLT 90% w/w
08.	Microbiological Profile :	
	Total Plate Count	< 5000 cfu / g
	Yeast & Moulds	< 100 cfu /g
	Salmonella & Shigella	Negative
	E.Coli	Negative

Other Grades Offered: 70%, 75% & 80% Boswellic acids