

## CERTIFICATE OF ANALYSIS

Product: <b>Boswellia Serrata Extract 65.0%</b>			Report No.: <b>BMIR20230381A</b>	
			Date : <b>15.02.2024</b>	
			Spec No : <b>FPS/B01/3289-01</b>	
Botanical Name	Part used	Country of Origin	Batch quantity	Page No
<i>Boswellia serrata</i>	Gum resin	India	500 kg	01/02

Batch Number	<b>BMI20230381A</b>	Date of manufacture	<b>Feb - 2024</b>
		Date of expiry	<b>Jan - 2027</b>

Parameter	Specification	Results	Protocol #
Physical			
Appearance	Creamish yellow color* powderr	Complies	Organoleptic
Odour & Taste	Characteristic odor and taste	Complies	
Identification	To comply by TLC	Complies	Internal method
Solubility	Insoluble in Water	Soluble	Internal method
Loss on drying	Not more than 5.0% w/w	2.44% w/w	Eur.Ph <2.2.32>
Untapped bulk density	Between 0.30 to 0.50g/ml	0.41g/ml	Eur.Ph <2.9.34>
Tapped bulk density	Between 0.40 to 0.80g/ml	0.67g/ml	Eur.Ph <2.9.34>
Residual pesticides	Meet EC <396/2005>	Complies	EC <396/2005>
Pyrrolizidine alkaloids	Not more than 400ppb	Complies	EU <2023/915>
Ochratoxin A	Not more than 10.0ppb	Complies	EU <2023/915>
Iron particles	Not more than 10.0 ppm	Complies	Internal method
Particle size			
40 mesh	Not less than 100% passing	100.0%	Eur.Ph <2.9.12>
Assay			
Content of Boswellic acid	Not less than 65.0% w/w	66.10%	Internal method by Titration
Heavy Metals	ICP-OES		
Lead	Not more than 3.0 ppm	0.35ppm	EC<2023/915>
Arsenic	Not more than 1.0 ppm	0.14ppm	EC<2023/915>
Cadmium	Not more than 1.0 ppm	0.07ppm	EC<2023/915>
Mercury	Not more than 0.1 ppm	0.01ppm	EC<2023/915>
Mycotoxin			
Aflatoxin (B1, B2, G1, G2 )	Not more than 4ppb	Complies	Eur.Ph <2.8.18>
Aflatoxin B1	Not more than 2ppb	Complies	
PAHs			



Poly Aromatic Hydrocarbons (PAHs)	Not more than 50 ppb	Complies	EC<2023/915>
Benzo(a) pyrene	Not more than 10 ppb	Complies	
Residual Solvent			
Ethanol	Not more than 4000ppm	Complies	Eur.Ph <2.4.24>
Other solvents	Nil	Complies	
Microbiological			
Total plate count	Not more than 10000cfu/g	1000cfu/g	Eur.Ph.<5.1.8>
Total yeast and mold count	Not more than 1000cfu/g	1000cfu/g	Eur.Ph.<5.1.8>
Escherichia coli	Absent /g	Absent	Eur.Ph.<5.1.8>
Salmonella spp.	Absent /25g	Absent	Eur.Ph.<5.1.8>
Staphylococcus aureus	Absent /g	Absent	Eur.Ph.<5.1.8>

<b>Additional information</b>	
Sanitizing treatment	Non-irradiated and not treated with ETO (NMT 0.1ppm)
Genetic Modification Status	GMO free
BSE / TSE status	BSE / TSE free
Manufactured by	Bio-Med Ingredients Ltd
Shelf life	3 years when stored in unopened original package at the recommended storage condition.
Standard Pack size	25 Kg packed in LDPE** Double cover and packed in New HDPE drum.
Storage Condition	Store in dry, cool place, protected from light, heat and oxidation. The preferred storage is 25 <sup>0</sup> C ±2 <sup>0</sup> C.

\*The product is of herbal origin. There may be minor color difference because of the geographical and seasonal variations of the plant material.

\*\*Food grade certified primarily and secondary packing material to be used.

**Conclusion: This Product complies with the specifications based on the above tests conducted.**

