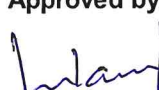
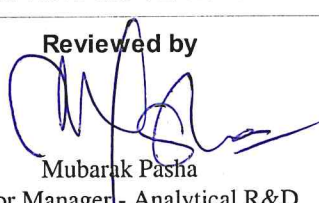
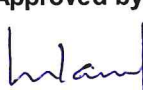


FINISHED PRODUCT SPECIFICATION

Product : BOSWELLIN@CG (BOSWELLIA SERRATA EXTRACT) CH			
Issue No. 4.0	Effective date February 23 , 2021	Supersedes Issue No.3 dtd 12/12/2017	Page Number Page 1 of 2
Prepared by  Ramesha S E Documentation Executive		Reviewed by  Mubarak Pasha Senior Manager - Analytical R&D	Approved by  Dr. Satish N. Sawant Vice President - Analytical R&D
Specification No. Product Code Category Botanical name CAS No Plant part Preparation type Standardization Excipients used		FPS/ARD/670 0250CH Intended for Cosmeceutical application Boswellia serrata 97952-72-2 Gum resin exudate Extraction Boswellic acids None	
Parameter		Limit	Reference
Physical			
Description		Off white to creamish white powder with characteristic odour*	Visual and Organoleptic
Identification		To comply by HPLC	SLL/STP-B-002
Solubility		Soluble in alcohol and insoluble in water	USP
Moisture content by KF method		Not more than 5.0% w/w	USP <921>
Residue on ignition		Not more than 2.0% w/w	USP <281>
Specific optical rotation (0.75% w/v solution in chloroform at room temperature)		Not less than +40° on anhydrous basis	USP <781>
Melting range		Not less than 100°C	USP <741>
Tapped bulk density		Between 0.30g/ml and 0.50g/ml	USP <616>
Loose bulk density		Between 0.15g/ml and 0.30g/ml	USP <616>
Sieve Test (Passes through)			USP <786>
- 20 mesh		Not less than 100% w/w	
- 40 mesh		Not less than 80% w/w	
- 80 mesh		Not less than 60% w/w	
Chemical			
Assay			
-Content of Total Boswellic acids by Titration		Not less than 75.0% w/w and not more than 85.0% w/w on anhydrous basis as Boswellic acid	SLL/STP-B-002
-Comprised of identified β-boswellic acids by HPLC		Not less than 40.0% w/w and not more than 45.0% w/w on anhydrous basis	SLL/STP-B-002
-Content of 3-O-Acetyl-11-keto-β-boswellic acid by HPLC		Not less than 10.0% w/w	SLL/STP-B-002
Others			
Lead		Not more than 3ppm (µg/g)	USP <2232>
Arsenic		Not more than 1ppm (µg/g)	USP <2232>
Cadmium		Not more than 1ppm (µg/g)	USP <2232>
Mercury		Not more than 0.1ppm (µg/g)	USP <2232>
Residual solvents		To comply as per USP	USP<467>
Residual pesticides		Not applicable	

FINISHED PRODUCT SPECIFICATION

Product : **BOSWELLIN®CG (BOSWELLIA SERRATA EXTRACT) CH**

Issue No.	Effective date	Supersedes	Page Number
4.0	February 23 , 2021	Issue No.3 dtd 12/12/2017	Page 2 of 2
Prepared by  Ramesha S E Documentation Executive		Reviewed by  Mubarak Pasha Senior Manager - Analytical R&D	Approved by  Dr. Satish N. Sawant Vice President - Analytical R&D

Parameter	Limit	Reference
Microbiological Profile		
Total aerobic microbial count	Not more than 200cfu/g	USP<61>
Total yeasts and molds count	Not more than 10cfu/g	USP<61>
Escherichia coli	Negative/10g	USP<62>
Salmonella	Negative/10g	USP<62>
Staphylococcus aureus	Negative/10g	USP<62>
Pseudomonas aeruginosa	Negative/10g	USP<62>
Coliforms	Less than 10cfu/g	BAM 2001, 8th Edition, Chapter 4
Additional Information		
Certification Status (Kosher/Halal)	Kosher and Halal certified	
Genetic Modification Status	GMO free	
BSE/TSE status	BSE / TSE free	
Cultivated or wild crafted	Wild crafted	
Storage condition	Store at room temperature	
Country of Origin	India	
Shelf Life	5 Years	

*Since it is a herbal product, there is likely to be minor colour variation from batch to batch of the product because of the geographical and seasonal variations of the raw material.

*Natural products can be hygroscopic and may agglomerate sometimes. It is suggested to sift the product before use.

Disclaimer: Suitability of this product for its particular use is at the sole discretion of the purchaser.