



**PRODUCT
SPECIFICATION**

DOCUMENT No.	: HA/EXT/SPC/LS/ 001
ISSUE DATE	: 31.01.2020
REVISION No. & DATE	: 00
PAGE NUMBERS	: Page 1 of 2

TITLE: LAGERSTROEMIA SPECIOSA EXTRACT (≥ 2% COROSOLIC ACID)

Product name	: Lagerstroemia speciosa extract (≥2% Corosolic acid)		
Common name	: Banaba / Crepe-myrtle	Final extract ratio	: 15:1
Botanical name	: Lagerstroemia speciosa (L.) Pers.	Solvent	: Methanol, Water
Family	: Lythraceae	Excipient/s	: Nil
Country of origin	: India	Re-test date	: 3 years from date of manufacture
Part used	: Leaves	Fresh / Dry	: Dry

S. No.	Tests	Limits	Method used
1.	Description	Green to brown powder with characteristic odor and taste	
2.	Identification tests	TLC - Chromatographic profile to match with that of Botanical Reference Standard.	As per in-house method
3.	Phytochemical analysis		
	Corosolic acid (% w/w)	Not less than 2.0	By HPLC; in-house method
4.	Physico-chemical analysis		
	Moisture (% w/w)	Not more than 8.0	As per USP <921> Method III
	pH (1% w/v solution)	Between 3.0 – 5.0	As per USP <791>
5.	Particle size		
	Bulk Density (g/cc)	Between 0.30 – 0.80	As per USP <616> Method – I
	Tapped bulk density (g/cc)	Between 0.30 – 1.00	
	Material passing through 80 mesh (%w/w)	Not less than 99.0	As per USP <786> Particle size distribution
6.	Heavy metals (ppm)		As per USP <233>
	Lead (Pb)	Not more than 3.0	
	Cadmium (Cd)	Not more than 2.0	
	Arsenic (As)	Not more than 1.0	
	Mercury (Hg)	Not more than 0.1	
7.	Pesticides (ppm)		As per AOAC / USP
	Organochlorine Pesticides	To comply with USP <565>	
	Organophosphorus Pesticides		
	Synthetic pyrethroids		
8.	Residual solvent analysis (ppm)		

Prepared by:	Checked by:	Issued by:
Research Executive - QC	Sr. Officer - QC	Sr. Executive - QA
Date: 31.01.2020	Date: 31.01.2020	Date: 31.01.2020



PRODUCT SPECIFICATION

DOCUMENT No.	:	HA/EXT/SPC/LS/ 001
ISSUE DATE	:	31.01.2020
REVISION No. & DATE	:	00
PAGE NUMBERS	:	Page 2 of 2

TITLE: LAGERSTROEMIA SPECIOSA EXTRACT (≥ 2% COROSOLIC ACID)

	Methanol	Not more than 3000	As per USP <467>
9.	Microbiological analysis		
	Total aerobic microbial count (cfu/g)	Not more than 10,000	As per USP <2021>
	Yeast and mold (cfu/g)	Not more than 100	As per USP <2021>
	Bile tolerant gram-negative bacteria (org/g)	Not more than 100	As per USP <2021>
	<i>Escherichia coli</i> (org/1g)	Negative	As per USP <2022>
	<i>Salmonella</i> sp. (org/10g)	Negative	As per USP <2022>
	<i>S.aureus</i> (org/1g)	Negative	As per USP <2022>

Recommended storage – Store in well-closed containers, protected from light and moisture at room temperature.

Non-GMO, non-irradiated, non ETO treated, BSE / TSE free, allergen free.

Packaging – 25 kg drums

Certifications & Accreditations

For testing facilities:



For manufacturing facilities:



Revision History:

Revision No.	Date	Change
00	31.01.2020	New Document

Prepared by:	Checked by:	Issued by:
Research Executive - QC	Sr. Officer - QC	Sr. Executive – QA
Date: 31.01.2020	Date: 31.01.2020	Date: 31.01.2020