

CERTIFICATE OF ANALYSIS

BACOGNIZE®

LATIN NAME:
Bacopa monnieri

COMMON NAME:
Bacopa

HARVEST SEASON:
January - May¹

LOT NUMBER:
LBM2EP1802F29

ORIGIN:
India

PLANT PART USED:
Whole Herb

HARVEST METHOD:
Wild Crafted

MFG. DATE:
June 2018

Product code: BCN045EPPH

PHYSICAL CHARACTERISTIC	SPECIFICATION	TEST METHOD	RESULTS (-)
Identification	Positive	TLC/HPLC	Confirms
Appearance	Powder	Visual	Confirms
Color	Greenish Brown to Brown ²	Visual	Confirms
Odor	Characteristic	Organoleptic	Confirms
Taste	Characteristic	Organoleptic	Confirms
Particle Size	NLT 90.00% thru 80 mesh	USP <786>	98.22%
Bulk Density	NLT 0.30 g/mL	USP <616>	0.36 g/mL
Tap Density	NLT 0.40 g/mL	USP <616>	0.48 g/mL

CHEMICAL ANALYSIS	SPECIFICATION	TEST METHOD	RESULTS (-)
Assay for Actives			
a. Total Bacopa Glycosides	NLT 12.00%	HPLC	12.47%
Loss on Drying	NMT 6.00%	USP <731>	2.63%
Herb Extract Ratio	10-20:1	In-house specification	Confirms
Extraction Solvent	Alcohol	In-house specification	Confirms
Excipient	None	In-house specification	None

IMPURITIES	SPECIFICATION	TEST METHOD	RESULTS (+)
Lead	< 3 ppm	AAS/ICP-MS	0.14 ppm (ICP-MS)
Mercury	< 2 ppm	AAS/ICP-MS	< 0.10 ppm (ICP-MS)
Arsenic	< 5 ppm	AAS/ICP-MS	1.6 ppm (ICP-MS)
Cadmium	< 1 ppm	AAS/ICP-MS	< 0.25 ppm (ICP-MS)
Residual Solvent	USP <467> Screen ³	USP <467>	Complies
Pesticides Residue	USP <561> Screen	USP <561>	Complies

MICROBIOLOGY	SPECIFICATION	TEST METHOD	RESULTS (-)
Total plate count	< 10000 cfu/g	USP	1800 cfu/g
Yeast & mold	< 1000 cfu/g	USP	50 cfu/g
Coliforms	< 100 cfu/g	USP	< 10 cfu/g
Escherichia coli	Absent/10g	USP	Absent/10g
Salmonella	Absent/10g	USP	Absent/25g
Staph Aureus	Absent/10g	USP	Absent/10g

¹Harvest season is subject to change based on environmental changes.

²Color of botanical products is subject to seasonal conditions and may vary from lot to lot.

³Class 1, 2a, 2b, and selected Class 3

(-) The result shown is obtained from the supplier's Certificate of Analysis.

(+) The result shown is from third party analysis.

Note: Material has an inherent tendency to form clumps due to its hygroscopic nature.

Shelf Life: 36 months from date of manufacture

Storage: At room temperature, away from sunlight and moisture

Approved by:  Date: July 13, 2018
V1.R12



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