NutraNorth®

CERTIFICATE OF ANALYSIS

Manufactured for	**MACKISEN**				
Name of product:	**Bacopa**				
Packaging Lot # :	**M2500639/1**	**Master Packaging Record #**		**Expiry Date :**	**09/2028**
		MPR	**MA-N631-120-V0**		
Manufacturing Lot # :	**M2500639**	**Master Manufacturing Record #:**		**MFG Date:**	**10/2025**
		MMR	**MA-N631-V0**		
Storage Conditions:	Store at room temperature (R.T), in closed dry containers and Keep away from high temperature & moisture.				
Physical Description:	Yellowish Brown Colour Powder In Empty Clear Vegetable Capsule Size"2"	120CT count in Bottle-250 cc-45/400 White HDPE Round with Cap-45-400 white HIS P/P,ribbed,plain liner.			

Physical Tests:

TESTES	Results	Specifications Low	Target	High	Strength	Method
Average Wt. of Capsules	350 mg	346	384	422	mg	USP <2091>
Wt. variation of Capsules	Conforms	Conforms as per USP weight variation +/- 10 %				USP <2091>
Odour & Taste	Conforms	Characteristic, Conforms to Standard				Visual, Olfactory
Disintegration	05 min	NMT 30			min	USP <2040>
IDENTITY	05 min	Conforms to standard				FTIR

Quantity / Potency :	**Results**		**Low**	**Target**	**High**	**Strength**	**Method**
Bacopa(Bacopa monnieri)50% Bacosides	300.00	mg	240.00	300.00	360.00	mg	Certified Input
Qualitative / Potency :	**Results**		**Low**	**Target**	**High**	**Strength**	**Method**
Bacosides from(Bacopa monnieri)	151.23	mg	120.00	150.00	180.00	mg	JPL-320 UV
NON-MEDICINAL INGREDIENTS	Microcrystalline Cellulose 101, Empty Clear Vegetable Capsule Size "2"						

Purity:

MICRO:	**Results**	**Limits**	**Method**
Total Plate Count	200 CFU/g	< 1,00,000 c.f.u / g	USP<2021>/AOAC
Total Yeast	<10 CFU/g	< 1,000 c.f.u / g	USP<2021>/AOAC
Total Mold	<10 CFU/g	< 1,000 c.f.u / g	USP<2021>/AOAC
E.Coli	Not Detected	Not Detected	USP<2022>/AOAC
Salmonella Spp	Not Detected	Not Detected	USP<2022>/AOAC
Staphylococcus Aureus	Not Detected	Not Detected	USP<2022>/AOAC
HEAVY METALS:	**Results**	**Limits - 1 capsules / day**	**Method**
Arsenic	0.0008 mcg / kg b.w./day	< 0.14 mcg / kg b.w./day	ICP-MS
Cadmium	<0.0001 mcg / kg b.w./day	< 0.09 mcg / kg b.w./day	ICP-MS
Lead	0.0005 mcg / kg b.w./day	< 0.14 mcg / kg b.w./day	ICP-MS
Total Mercury	<0.0001 mcg / kg b.w./day	< 0.29 mcg / kg b.w./day	ICP-MS
Solvent Residue	Complies	Meets USP Requirements	USP/GC
Pesticide Residue	Complies	Meets USP Requirements	USP/GC

Prepared by: Sneha Nov/18/2025

Approved by: E Sharyan.M nov/18/2025

Quality Assurance

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CERTIFICATE OF ANALYSIS

Manufactured for	**MACKISEN**				
Name of product:	**Bacopa**				
Packaging Lot # :	**M2500639/2**	**Master Packaging Record #**		**Expiry Date :**	**09/2028**
		MPR	**MA-N631-60-V0**		
Manufacturing Lot # :	**M2500639**	**Master Manufacturing Record #:**		**MFG Date:**	**10/2025**
		MMR	**MA-N631-V0**		
Storage Conditions:	Store at room temperature (R.T), in closed dry containers and Keep away from high temperature & moisture.				
Physical Description:	Yellowish Brown Colour Powder In Empty Clear Vegetable Capsule Size"2"	60 count in Bottle-150 cc-38/400 White HDPE Round with Cap-38-400 white HIS P/P,ribbed,plain liner.			

Physical Tests:

TESTES	Results	Specifications Low	Target	High	Strength	Method
Average Wt. of Capsules	350 mg	346	384	422	mg	USP <2091>
Wt. variation of Capsules	Conforms	Conforms as per USP weight variation +/- 10 %				USP <2091>
Odour & Taste	Conforms	Characteristic, Conforms to Standard				Visual, Olfactory
Disintegration	05 min	NMT 30			min	USP <2040>
IDENTITY	05 min	Conforms to standard				FTIR

Quantity / Potency :	**Results**		**Low**	**Target**	**High**	**Strength**	**Method**
Bacopa(Bacopa monnieri)50% Bacosides	300.00	mg	240.00	300.00	360.00	mg	Certified Input

Qualitative / Potency :	**Results**		**Low**	**Target**	**High**	**Strength**	**Method**
Bacosides from(Bacopa monnieri)	151.23	mg	120.00	150.00	180.00	mg	JPL-320 UV

NON-MEDICINAL INGREDIENTS	Microcrystalline Cellulose 101, Empty Clear Vegetable Capsule Size "2"

Purity:

MICRO:	**Results**	**Limits**	**Method**
Total Plate Count	200 CFU/g	< 1,00,000 c.f.u / g	USP<2021>/AOAC
Total Yeast	<10 CFU/g	< 1,000 c.f.u / g	USP<2021>/AOAC
Total Mold	<10 CFU/g	< 1,000 c.f.u / g	USP<2021>/AOAC
E.Coli	Not Detected	Not Detected	USP<2022>/AOAC
Salmonella Spp	Not Detected	Not Detected	USP<2022>/AOAC
Staphylococcus Aureus	Not Detected	Not Detected	USP<2022>/AOAC
HEAVY METALS:	**Results**	**Limits - 1 capsules / day**	**Method**
Arsenic	0.0008 mcg / kg b.w./day	< 0.14 mcg / kg b.w./day	ICP-MS
Cadmium	<0.0001 mcg / kg b.w./day	< 0.09 mcg / kg b.w./day	ICP-MS
Lead	0.0005 mcg / kg b.w./day	< 0.14 mcg / kg b.w./day	ICP-MS
Total Mercury	<0.0001 mcg / kg b.w./day	< 0.29 mcg / kg b.w./day	ICP-MS
Solvent Residue	Complies	Meets USP Requirements	USP/GC
Pesticide Residue	Complies	Meets USP Requirements	USP/GC

Prepared by: Sneha Nov/18/2025

Approved by: BShargav.R nov/18/2025

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Medicap Laboratories

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Biogenique Bacopa

Batch/Lot No: 240530

Man Date: May.2024 **Expiry Date**: Apr.2027

Each unit dose contains: Bacopa (Bacopa Monnieri, Leaf) (10% Bacosides A and B,10:1, QCE2500mg: 250.00mg, Bacopa (Bacopa Monnieri, Leaf): 250.00mg.

Non-Medicinal Ingredient: Hypromellose

Test	Method	Specifications	Result
Description	In-House	Clear-Clear size "0" vegi. Capsule filled with light brown color Powder.	Complies
Weight variation	USP <2091>	605.00 mg± 7.5% (559.63mg/cap to 650.38mg/cap)	612.15 mg
Lock Length	In house	21.30 mm –21.90mm	Complies
Disintegration time	USP	NMT 30 minutes	18 minutes
Microbial Test			
Total Plate count	USP<2021>	NMT 100,000 CFU/g	1120 CFU/g
Yeast & Mold	USP<2021>	NMT 1000 CFU/g	40 CFU/g
E.coli	USP<2022>	Negative	Negative
Salmonella	USP<2022>	Negative	Negative
S.aureus	USP<2022>	Negative	Negative
Pseudomonas aeruginosa	USP<62>	Negative	Negative

Heavy Metal			
Arsenic	ICP-MS at Finished Product Stage	<0.14 µg/kg b.w./ day	0.012 µg/kg b.w./ day
Cadmium		<0.09 µg/kg b.w./ day	0.001 µg/kg b.w./ day
Lead		<0.14 µg/kg b.w./ day	0.013 µg/kg b.w./ day
Mercury		<0.29 µg/kg b.w./ day	<0.001 µg/kg b.w./ day

Quality Approved: *Foram Patel* **Date:** Oct.25, 2024

This is to certify that Medicap Laboratories products are manufactured under strict GMP conditions.