



E SHAKTI BINARY CURRENTS PRIVATE LIMITED

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M. No. 9403922222

Certificate of Analysis

PRODUCT NAME	95% PHYTOSTEROL
BATCH NO.	ESBC/FG/20241501/PS/032
MANUFACTURER NAME	E SHAKTI BINARY CURRENTS PVT LTD
MFG.DATE	JANUARY-2024
EXP.DATE	DECEMBER-2025

SR NO	PARAMETERS	SPECIFICATIONS	RESULTS	UNIT	METHOD
A. PHYSICAL PARAMETERS					
1	Appearance	White to off white powder	White to off white powder	-	In House
2	Odour	Vegetable oil odour	Vegetable oil odour	-	In House
3	Solubility	Soluble in acetone	Soluble in acetone		In House
B. QUALITY CONTROL DATA					
4	Total Sterol	NLT 95.0	97.41	%	BY GC
5	Brasicasterol	0.0 to 4.0	1.56	%	BY GC
6	campesterol	15.0 to 25.0	22.45	%	BY GC
7	stigmasterol	20.0 to 35.0	25.51	%	BY GC
8	betasitosterol	45.0 to 55.0	50.48	%	BY GC
9	Buk Density	0.3 to 0.6	0.45	gm/cm ²	In House
10	Moisture	NMT 2.0	1.45	%	In House
11	Loss on drying	NMT 4.0	3.85	%	In House
12	Melting point	133.0 TO 146.0	138.69	°c	In House
13	Acidity	NMT 0.2	conforms	mgKOH/g	In House
C. CONTAMINANTS					
14	Heavy metals	≤ 5.0	conforms	ppm	BY ICP-MS
15	Arsenic	≤ 0.2	conforms	ppm	BY ICP-MS
16	Lead	≤ 0.1	conforms	ppm	BY ICP-MS
17	Mercury	≤ 0.1	conforms	ppm	BY ICP-MS
18	Cadmium	≤ 0.2	conforms	ppm	BY ICP-MS
19	Pesticide residues	Meets current usp	conforms	-	BY LC-MS
20	Sulphated ash	≤ 0.1	conforms	%	In House
D. MICROBIOLOGICAL DATA					
21	Total plate counts	NMT 1000.0	Absent	Cfu/gm	ISO:4833
22	Yeast & moulds	NMT 100.0	Absent	Cfu/gm	ISO:5403
23	Coliforms	NMT 10.0	Absent	Cfu/gm	ISO:4832
24	E-coli	Absent	Absent	Cfu/10gm	ISO:6579
25	S aureus	Absent	Absent	Cfu/10gm	ISO:6579
26	Pseudomonas	Absent	Absent	Cfu/10gm	ISO:6579
27	Salmonella	Absent	Absent	Cfu/25gm	ISO:6579
28	Enterobacteriaceae	Absent	Absent	Cfu/25gm	ISO:6579

Prepared by 23/01/24

Verified by

Approved by

