


CERTIFICATE OF ANALYSIS

Product Name	Berberis aristata Dry Extract 98%	Batch No.	2442062104
Botanical Name	<i>Berberis aristata</i>	Mfg. Date	January 2025
Part Used	Dried Roots	Exp. Date	December 2027

S. N.	TEST PARAMETERS	RESULTS	SPECIFICATION	METHODS
A	PHYSICO CHEMICAL TESTS			
1	Description	Complies	Yellow Crystalline powder	Organoleptic
2	Color	Complies	Yellow color	Organoleptic
3	Taste	Complies	Characteristic	Organoleptic
4	Odor	Complies	Characteristic	Organoleptic
5	Identification test by TLC Method	Complies	Positive	By TLC
6	pH (1% w/v of aq. Solution)	5.04	4.0 – 7.0	API
7	Moisture Content (By Oven Method)	7.22% w/w	NMT- 12.0% w/w	API
8	Water Solubility	Complies	Soluble in Hot Water	API
9	Sulphated Ash content at 600°C	0.14% w/w	NMT – 0.80% w/w	API
10	Total Aflatoxin B ₁ , B ₂ /G ₁ , G ₂	Not detected	NMT – 0.5 ppb	API
11	Residual Solvent	Complies (60 ppm)	NMT- 5000 ppm	API
12	Pesticide Residue	Not detected	Negative	API
B	ACTIVE INGREDIENTS/ASSAY			
13	Berberine HCL Content	98.28% w/w	NLT- 98.0% w/w	By HPLC
C	HEAVY METALS			
14	Lead	0.60 ppm	NMT – 3.0 ppm	By ICP-MS
15	Arsenic	0.30 ppm	NMT – 2.0 ppm	By ICP-MS
16	Mercury	Not Detected	NMT – 1.0 ppm	By ICP-MS
17	Cadmium	Not Detected	NMT – 0.1 ppm	By ICP-MS
D	MICROBIOLOGICAL TEST			
18	Total Plate Count	650cfu/gm	NMT – 10,000cfu/gm	USP<2021>
19	Total Yeast & Moulds	10cfu/gm	NMT – 100cfu/gm	USP<2021>
20	Escherichia coli	Absent	Absent	USP<2022>
21	Salmonella	Absent	Absent	USP<2022>
22	Total Coliforms	Absent	Absent	USP<2022>

1. Three years in original packed condition from the date of manufacturing.
2. Store at cool, dry place away from direct sunlight & moisture.
3. The material shall be fit for human consumption & complies with prescribed standards


 (Dr. Kalpana Katiyar)
 Head, ATRIC