



Ayuroma Centre

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Manufacturer Of Essential Oils

GST No.: 09AMLPK4254H1ZT

IEC : 0606003053

CERTIFICATE OF ANALYSIS

Product Name	Ajwain Dry Extract	Batch No.	2442062405
Botanical Name	<i>Trachyspermum ammi</i>	Mfg. Date	JUN 2024
Part Used	Dried Seeds	Exp. Date	MAY 2027

S. N.	TEST PARAMETERS	RESULTS	SPECIFICATION	METHODS
A	PHYSICO CHEMICAL TESTS			
1	Description	Light to Dark Brownish Colored Powder	Light to Dark Brownish Colored Powder	Organoleptic
2	Color	Light to Dark Brownish	Light to Dark Brownish	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)	5.07	4.0 – 7.0	API
7	Moisture Content (By Oven Method)	3.41% w/w	NMT- 10.0% w/w	API
8	Water Solubility	92.42% w/w	NLT – 80.00% w/w	API
9	Bulk Density	0.558 gm/ml	NLT – 0.500 gm/ml	API
10	Tapped Density (After 50 Taps)	0.757 gm/ml	NLT – 0.600 gm/ml	API
11	Total Ash Content at 600°C	2.28% w/w	NMT- 20.0% w/w	API
12	Particle Size pass through 40 mesh	94.25% w/w	NLT – 90.00% w/w	API
B	ACTIVE INGREDIENTS/ASSAY			
13	Total Volatile Oil Content	1.10% w/w	NLT- 1.00% w/w	By Gravimetric
C	HEAVY METALS	Complies	NMT – 10.0 ppm	By ICP-MS
14	Lead	1.40 ppm	NMT – 3.0 ppm	By ICP-MS
15	Arsenic	0.50 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	230 cfu/gm	NMT – 1000 cfu/gm	USP<2021>
19	Total Yeast & Moulds	24 cfu/gm	NMT – 100 cfu/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 year 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 standard.



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