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## CERTIFICATE OF ANALYSIS

### PRODUCT DESCRIPTION

<b>Product Name</b>	Ajuga Turkestanica Extract	<b>Nature of product</b>	Powder
<b>Botanical Name</b>	NA	<b>Origin</b>	India
<b>Part Used, Ratio</b>	Whole plant, 20:1	<b>Solvents Used</b>	Hydroalcoholic
<b>Batch No.</b>	UL/AE/202310243	<b>Manufacturing Date</b>	Jan-24
<b>Batch Quantity</b>	5 Kg	<b>Expiry date</b>	Dec-27

### TESTING PARAMETERS

#### PHYSICAL PARAMETERS

<b>Items</b>	<b>Specification</b>	<b>Method</b>	<b>Results</b>
<b>Color</b>	Brown	Organoleptic	Complies
<b>Odour</b>	Characteristic	Organoleptic	Complies
<b>Taste</b>	Natural	Organoleptic	Complies
<b>Solubility</b>	Soluble in water	In House	Complies
<b>Appearance</b>	Fine Powder	Organoleptic	Complies

#### ANALYTICAL QUALITY

<b>Identification</b>	Identical to R.S. sample	TLC	Complies
<b>Sieve analysis</b>	90% through 80 mesh	Sieve	Complies
<b>Moisture (w/w)</b>	< 10.0%	In House	6.10 %
<b>Ash (w/w)</b>	< 5.0%	In House	2.90%
<b>Acid insoluble ash(w/w)</b>	< 2.4%	In House	1.30%
<b>Bulk Density</b>	40-80 g/100mL	In House	Complies

#### HEAVY METALS

<b>Arsenic</b>	Max 1.1 ppm	ICP-OES	B.L.Q
<b>Cadmium</b>	Max 1.0 ppm	ICP-OES	B.L.Q
<b>Lead</b>	Max 2.5 ppm	ICP-OES	B.L.Q
<b>Mercury</b>	Max 0.1 ppm	ICP-OES	B.L.Q

#### CONTAMINANTS

<b>Aflatoxin B1</b>	≤2ppb	EASI-CHE-SOP-18	Complies
<b>Aflatoxin B2</b>	≤2ppb	EASI-CHE-SOP-18	Complies
<b>Aflatoxin G1</b>	≤2ppb	EASI-CHE-SOP-18	Complies
<b>Aflatoxin G2</b>	≤2ppb	EASI-CHE-SOP-18	Complies
<b>Ethylene Oxide</b>	≤0.01mg/kg	EKA-CHE-SOP-053(By GC-MS)	Complies
<b>Pesticides Residues</b>	Organic Requirements	EKA-CHE-SOP-030(By LC-MSMS&GC-MSMS)	Complies

CONCLUSION : CONFIRM WITH SPECIFICATION

STORAGE : STORE IN COOL & DRY PLACE. KEEP AWAY FROM STRONG LIGHT AND HEAT.  
SHELF LIFE : 3 YEARS WHEN PROPERLY STORED



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#### **MICROBIOLOGICAL PARAMETERS**

<b>Total Plate count /g</b>	<10000 CFU/g	ISO 4833-1-2013	<1000 CFU/g
<b>Yeast &amp; Molds /g</b>	<100 CFU/g	ISO 21527-2:2008	<100 CFU/g
<b>Coliform/g</b>	<10 CFU/g	ISO 4832:2006	<10 CFU/g
<b>Escherichia coli /25g</b>	Negative	ISO 16649-2-2001	Negative
<b>Salmonella /25g</b>	Negative	ISO 6579-1:2017/AMD 1:2020	Negative

**Note: B.L.Q – Below Limit of Quantification, Limit of Quantification: 0.05mg/kg for Heavy Metals**

<b>Packing and Storage</b>	Store in sealed containers at cool & dry place to protect from light, moisture and pest infestation.
<b>Appearance</b>	This is a natural product and there may be color variations from lot to lot due to crop fluctuations from harvest to harvest.
<b>Shelf Life</b>	36 months under the above condition, and in its original package.

<b>PREPARED BY</b> (QC/QA Executive)	<b>APPROVED BY</b> (QC/QA Head)
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