

Atreya Ayurveda Pratisthana®
Spoorthi Ayurveda Medical College and
Dr S.V.Savadi Ayurvedic Medical college Gangavathi
ISO 9001:2015 Recognized Institution
(Recognized By Govt. of Karnataka & N.C.I.S.M. New Delhi)
(Affiliated to Rajiv Gandhi University of Health Sciences, Bangalore)

Date: 12-06-2024

Manthana Central Research Laboratory

Test Requested by: Dr. Kumari Triveni

Requested On: 16-05-2024

Investigation to be performed: Physico-chemical analysis , Phytochemical screening, Inorganic analysis

Sample Code: 04

Sample Details: Naveena guda, suryatapi guda

1.Physico-Chemical Analysis Naveena Guda

Sl.No	Test	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
01	Moisture	2.5%	2.5%	6%	2.5%	5%
02	Total Ash	1.85%	3.70%	3.5%	3%	2.5%
03	Acid Insoluble Ash	0.5%	1.75%	1.2%	1.1%	1.75%
04	Water Soluble Ash	2%	8%	3%	2.5%	2%
05	Alcohol Soluble Extract	35%	32%	68%	42%	49.2%
06	Water Soluble Extract	30%	43%	28%	38%	53%

2. Phyto-Chemical Screening Of Naveena Guda

Tests	S1(Aq)	S1(Al)	S2(Aq)	S2(Al)	S3(Aq)	S3(Al)	S4(Aq)	S4(Al)	S5(Aq)	S5(Al)
Carbohydrates	+	-	+	-	+	-	++	-	+	-
Saponin	+	-	+	-	+	-	+	-	+	-
Flavanoid	-	+	-	+	+	+	+	-	+	-
Phytosterols	-	-	-	-	-	-	-	-	-	-
Terpenoids	-	+	-	+	-	+	+	+	+	-
Alkaloids	+	+	+	-	+	-	+	-	+	+
Proteins	+	+	+	+	++	+	+	+	+	+
Quinone	-	-	-	-	-	-	-	-	-	-
Anthraquinone	-	-	-	-	-	-	-	-	-	-
Anthracyanine	-	-	-	-	-	-	-	-	-	-
Phenol	+	-	++	-	+	-	+	-	+	+
Glycoside	-	-	-	-	-	+	-	-	+	-

+ Weakly Present, ++ Moderately Present, +++ Strongly Present, - Absent

3. Inorganic Analysis Of Naveena Guda

Test	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
Calcium	+	+	++	+	++
Magnesium	+	++	+	+	+
Sodium	+	-	-	+	-
Potassium	+	+	+	+	+
Iron	+	++	+	++	+
Sulphate	+	-	+	+	-
Chloride	+	-	-	-	-
Carbonate	-	-	-	-	-
Nitrate	+	-	+	-	-
Phosphate	-	+	+	-	+

+ Weakly Present, ++ Moderately Present, +++ Strongly Present, - Absent

4. Physico-Chemical Analysis Suryatapi Guda

Sl.No	Test	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
01	Moisture	2%	1.44%	3%	2%	1%
02	Total Ash	10%	7.70%	4.5%	8%	5.5%
03	Acid Insoluble Ash	2.5%	2.5%	1.2%	2.91%	2.34%
04	Water Soluble Ash	21%	11%	20%	2.5%	2%
05	Alcohol Soluble Extract	25%	22%	28%	22%	39.2%
06	Water Soluble Extract	35%	53%	68%	34%	63%

5. Phyto-Chemical Screening of Suryatapi Guda

Tests	S1(Aq)	S1(Al)	S2(Aq)	S2(Al)	S3(Aq)	S3(Al)	S4(Aq)	S4(Al)	S5(Aq)	S5(Al)
Carbohydrates	+	-	-	-	+	-	+	-	+	-
Saponin	+	-	+	-	+	-	+	-	+	-
Flavanoid	-	-	-	+	+	+	+	-	+	-
Phytosterols	-	-	-	-	-	-	-	-	-	-
Terpenoids	+	-	-	+	-	+	+	+	+	-
Alkaloids	+	-	+	-	+	-	+	-	+	+
Proteins	+	+	+	+	++	+	+	+	+	+
Quinone	-	-	-	-	-	-	-	-	-	-
Anthraquinone	-	-	-	-	-	-	-	-	-	-
Anthracyanine	-	-	-	-	-	-	-	-	-	-
Phenol	+	-	+	-	+	-	+	-	+	+
Glycoside	-	-	-	-	-	+	-	-	+	-

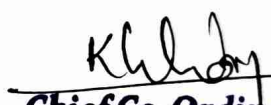
+ Weakly Present, ++ Moderately Present, +++ Strongly Present, - Absent

6. Inorganic Analysis Of Suryatapi Guda

Test	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
Calcium	+	+	+	+	+
Magnesium	+	+	+	+	+
Sodium	-	-	-	+	-
Potassium	+	+	+	+	+
Iron	+	+	+	+	+
Sulphate	-	-	+	+	-
Chloride	-	-	-	-	-
Carbonate	-	-	-	-	-
Nitrate	+	-	+	-	-
Phosphate	-	+	+	-	+

+ Weakly Present, ++ Moderately Present, +++ Strongly Present, - Absent


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