

**BUREAU OF INDIAN STANDARDS**

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भारतीय मानक मसौदा

होम्योपैथी में प्रयोग हेतु जस्टिसिया अधाटोडा हाइड्रो-अल्कोहोलिक अर्क — विशिष्टि

Draft Indian Standard

***Justicia adhatoda* Hydro-alcoholic Extract for Use in Homoeopathy —  
Specification**

Homoeopathy Sectional Committee, AYD 07

**Last Date of Comments: 10-10-2025**

FOREWORD

*(Formal clauses would be added later)*

*Justicia adhatoda* hydro-alcoholic extract or mother tincture (Ø) is prepared from the leaves of *Justicia adhatoda* L. In homoeopathy, this is used as a starting material for homoeopathic dilutions or potencies. It is also used for the preparation of other dosage forms.

*Justicia adhatoda* L. is a sub herbaceous bush found throughout the year in plains and sub Himalayan tracts in India, ascending up to 1200 m. The plant flowers during February to March and also at the end of rainy season. Leaves stripped off from older stems and dried in drying sheds. *Justicia adhatoda* is commonly known as *Justicia* or *Vasaka* (English); *Aduss* and *Arusa* (Hindi); *Titabahak*, *Bahak* and *Vachaka* (Assamese); *Baksa* and *Vasaka* (Bengali); *Aduso*, *Ardusi* and *Adulso* (Gujarati).

The detailed specifications for the leaves of *Justicia adhatoda* L. are prescribed in IS 19019.

In formulating this standard, significant assistance has been derived from Homoeopathic Pharmacopoeia of India, Vol. 1, 1971, Vol. X, 2013 and Vol. 6, 1990, published by the Ministry of Ayush, Government of India. Inputs have also been derived from various sources such as print and electronic media, including other Pharmacopoeias and authoritative books.

Also, due consideration has been given to the provisions of the *Drugs and Cosmetics Act*, 1940 and the Rules 1945 framed thereunder, including the latest amendments. In case of any disparity, this standard is subject to the restrictions imposed under these Rules and Regulations, wherever applicable.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

*Draft Indian Standard*

**JUSTICIA ADHATODA HYDRO-ALCOHOLIC EXTRACT FOR USE IN  
HOMOEOPATHY — SPECIFICATION**

**1 SCOPE**

This standard covers the requirements, methods of sampling and tests for *Justicia adhatoda* hydro-alcoholic extract prepared from the leaves of *Justicia adhatoda* L.

**2 REFERENCES**

The standards given below contain provisions which, through reference in this text, constitute the provision of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent edition of these standards.

<i>IS No.</i>	<i>Title</i>
IS 1070 : 2023	Reagent grade water — Specification ( <i>fourth revision</i> )
IS 6911 : 2017	Stainless steel plate, sheet, and strip — Specification ( <i>second revision</i> )
IS 18926 : 2024	Homoeopathy — Glossary of terms standardized terminology for commonly used terms related to homoeopathy
IS 18977 : 2024	Millefolium ( <i>Achillea millefolium</i> L.) hydro-alcoholic extract for use in homoeopathy — Specification
IS 19019 : 2022	Vasa ( <i>Justicia adhatoda</i> L.) Leaves for use in Traditional Medicine — Specifications
IS 19085 : 2024	Glass containers for homoeopathic pharmaceutical preparations — Specification
IS 19326 : 2025	<i>Janosia ashoka</i> hydro-alcoholic extract for use in homoeopathy — Specification

**3 TERMINOLOGY**

For the purpose of this standard, the definitions given in IS 18926 shall generally apply.

**4 REQUIREMENTS**

**4.1** *Justicia adhatoda* hydro-alcoholic extract shall be prepared from *Justicia adhatoda* L. leaves complying with 3 of IS 19019.

**4.2** To prepare one thousand milliliters of hydro-alcoholic extract with a strength of 1/10, the quantity of ingredients shall be:

- a) *Justicia adhatoda*, moist magma containing solids 100 g and plant moisture — 370 g  
270 ml
- b) Strong Alcohol — 765 ml

**4.3** *Justicia adhatoda* hydro-alcoholic extract shall also comply with the requirements given in Table 1.

**Table 1 Requirements for *Justicia adhatoda* hydro-alcoholic extract**  
(Clause 4.3)

SI No.	Characteristic	Requirement	Methods of Test (Reference)
(1)	(2)	(3)	(4)
i)	Appearance	Greenish	Annex A of IS 19326
ii)	Alcohol content, percent v/v	72.0 to 76.0	
iii)	Weight per ml, g	0.890 to 0.920	
iv)	Total solids, percent w/v, <i>Min</i>	1	
v)	UV absorbance $\lambda_{\max}$ , nm	272	
vi)	Identification Test	A blood-red colour shall be produced which shall disappear on addition of more ferric chloride solution with the formation of brown precipitate.	Take 2 ml of sample, and add a drop of ferric chloride solution
vii)	Assay (total alkaloids expressed as vasicine), percent, <i>Min</i>	0.3	Annex A of IS 19019

**4.4** The identification of extract by thin layer chromatography (TLC) or High Performance Liquid Chromatography (HPLC) shall present the either of spot, band or peak, specific to *Justicia adhatoda* L. as per Annex A of IS 19019.

## 5 PACKING, STORAGE AND MARKING

### 5.1 Packing

*Justicia adhatoda* hydro-alcoholic extract shall be packed in amber-coloured bottles of at least type III glass, conforming to IS 19085. Each container shall be securely closed and sealed. A visual inspection shall be conducted to ensure that there is no foreign matter within the primary package and it shall not impart any foreign smell.

### 5.2 Storage

*Justicia adhatoda* hydro-alcoholic extract shall be stored in amber-coloured bottles of at least type III glass, conforming to IS 19085 or in stainless steel containers of SS316 type conforming to IS 6911, with a security seal.

### 5.3 Marking

The following information shall be marked or labelled on each pack:

- a) Name of the hydro-alcoholic extract/mother tincture;
- b) Name and address of the manufacturer or packer, including contact details;
- c) Manufacturer's license no.;
- d) Batch number;
- e) Net quantity when packed;
- f) Date of manufacturing;
- g) Date of packing (MM/YYYY);
- h) Date of expiry (MM/YYYY);
- j) QR code for authentication (optional); and
- k) Any other information requested by the buyer.

The above information, or part of it, shall appear in the documentation if there is an agreement between the buyer and the seller.

### 5.4 BIS Certification Marking

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act*, 2016, and the Rules and Regulations framed there under, and the product(s) may be marked with the Standard Mark.

## 6 SAMPLING

Representative samples of the material shall be drawn according to the method prescribed in Annex B of IS 18977.

## 7 TESTS

7.1 Tests shall be carried out by the methods prescribed in 4.3 and 4.4.

### 7.2 Quality of Reagents

- a) Reagents, including chemicals used, shall be of analytical grade; and
- b) Reagent-grade water (see IS 1070) shall be used, unless specified otherwise.