



**KARNATAKA ANTIBIOTICS &  
PHARMACEUTICALS LIMITED**

(A Government of India Enterprise)

|                  |                            |
|------------------|----------------------------|
| ENQUIRY REF. No. | KAPL/PRA/AY/DH/073/1222    |
| DATE             | 16/10/2025                 |
| DUE DATE         | 22/10/2025 UP TO 23.59 HRS |

Dear Sir,

Please submit your lowest and competitive offer in an SEALED ENVELOPE, DULY SUPERSCRIBING OUR ABOVE ENQUIRY REF NO, DATE and DUE DATE on it/ OR MAIL, with other details of F.O.R terms, Taxes, Credit period, Delivery offered, Name of the Make, Detailed Specification etc. for the below materials.

| SL NO | ITEM CODE | ITEM DESCRIPTION                                | UOM | QTY |
|-------|-----------|-------------------------------------------------|-----|-----|
| 01    | 1AY0001   | ADATHODA VASIKA TP 3:1 (VASAKA) LEAF            | KGS | 30  |
| 02    | 1AY0003   | ALBIZZIA LEBBECK TP 5:1 (SHIRISHA) BARK         | KGS | 30  |
| 03    | 1AY0009   | GLYCYRRHIZA GLABRA, TP 3:1 (YASHTIMADHU) STOLON | KGS | 200 |
| 04    | 1AY1059   | METHIKA(TRIGONELLA FOENUMGRACEUM)DP 15:1 SEEDS  | KGS | 50  |
| 05    | 1AY1060   | GOKSHURA(TRIBULUS TERRESTRIS) DP 7:1 FRUIT      | KGS | 50  |

**NOTE:** PLEASE QUOTE AS PER OUR SPECIFICATION ATTACHED.

**OTHER TERMS:**

- |                                  |                                            |
|----------------------------------|--------------------------------------------|
| 1. F.O.R TERMS                   | : DOOR DELIVERY AT DHARWAD PLANT KARNATAKA |
| 2. GST%                          | : PLEASE SPECIFY                           |
| 3. PACKING & FORWARDING CHARGES: | NOT APPLICABLE                             |
| 4. CREDIT PERIOD                 | : 90 DAYS REQUESTED                        |
| 5. DELIVERY OFFERED              |                                            |

INCASE YOU ARE UNABLE TO QUOTE, PLEASE SEND A REGRET LETTER.

For KARNATAKA ANTIBIOTICS  
& PHARMACEUTICALS LIMITED

AUTHORISED SIGNATORY  
PURCHASE DEPT.

## KARNATAKA ANTIBIOTICS &amp; PHARMACEUTICALS LIMITED, DHARWAD



QUALITY CONTROL  
DEPARTMENT  
AYURVEDIC DIVISION

Specification No. AYUR/EX/001-02

Supersedes No. AYUR/EX/001-01

Compendia API/IHS

Review Date 15 JAN 2026

## AYURVEDIC RAW MATERIAL SPECIFICATION

Material Name: Vasaka - *Adhatoda vasica* (Lf.) TP 3:1 - Thick Paste Extract ITEM CODE: 1AY0001

| SL.NO. | TEST PARAMETERS                      | SPECIFICATION                                                                | TEST REFERENCE        |
|--------|--------------------------------------|------------------------------------------------------------------------------|-----------------------|
| 1      | Description                          | Dark brown coloured thick paste with characteristic odour & bitter in taste. | Visual & Organoleptic |
| 2      | Solvent used for extraction          | Aqueous                                                                      | -                     |
| 3      | pH(1% Aqueous solution)              | 6.0 - 8.0                                                                    | API Part I Vol IX     |
| 4      | Total Ash                            | NMT 32.0 %                                                                   | API Part I Vol IX     |
| 5      | Acid Insoluble Ash                   | NMT 1.0 %                                                                    | API Part I Vol IX     |
| 6      | Total Soluble Solids                 | NLT 90.0%                                                                    | API Part I Vol IX     |
| 7      | Identification Test - TLC            | Complies as per API                                                          | API Part I Vol VIII   |
| 8      | Assay- Total Alkaloids by Gravimetry | NLT 0.30%                                                                    | IHS                   |
| 9      | HEAVY METALS                         |                                                                              |                       |
|        | Arsenic                              | NMT 3.0 ppm.                                                                 | API Part I Vol IX     |
|        | Cadmium                              | NMT 0.3 ppm.                                                                 |                       |
|        | Lead                                 | NMT 10.0 ppm.                                                                |                       |
|        | Mercury                              | NMT 1.0 ppm.                                                                 |                       |
| 10     | MICROBIOLOGICAL ANALYSIS             |                                                                              |                       |
|        | Total Aerobic Microbial Count        | NMT 10 <sup>5</sup> cfu/gm                                                   | API Part I Vol IX     |
|        | Total Yeast & Mould Count            | NMT 10 <sup>3</sup> cfu/gm                                                   |                       |
|        | E.Coli                               | Absent/gm                                                                    |                       |
|        | Salmonella                           | Absent/gm                                                                    |                       |
|        | Pseudomonas aeruginosa               | Absent/gm                                                                    |                       |
|        | Staphylococcus aureus                | Absent/gm                                                                    |                       |

|                                 |                                                 |                                                  |                                                  |
|---------------------------------|-------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Effective Date :<br>15 JAN 2024 | Prepared by :<br>QC (Analyst)<br>Mr.Abhishek D. | Checked by :<br>M (Ayush)<br>Dr.Praveen Kulkarni | Approved by :<br>Sr.M (Ayush)<br>Dr.Nilesh Gawas |
| Date & sign:                    | <br>15/01/2024                                  | <br>15/01/2024                                   | <br>15/01/24                                     |

KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LIMITED, DHARWAD



QUALITY CONTROL  
DEPARTMENT  
AYURVEDIC DIVISION

Specification No.

AYUR/EX/036-02

Supersedes No.

AYUR/EX/036-01

Compendia

API/IHS

Review Date

16 JAN 2026

AYURVEDIC RAW MATERIAL SPECIFICATION

Material Name: Shirisha – *Albizia lebbbeck*(St.Bk.) – Thick Paste Extract 5:1 ITEM CODE: 1AY0003

| SL.NO. | TEST PARAMETERS                    | SPECIFICATION                                                                    | TEST REFERENCE        |
|--------|------------------------------------|----------------------------------------------------------------------------------|-----------------------|
| 1      | Description                        | Dark brown coloured thick paste with characteristic odour & astringent in taste. | Visual & Organoleptic |
| 2      | Solvent used for extraction        | Aqueous                                                                          | -                     |
| 3      | pH(1% solution)                    | 4.5 – 6.0                                                                        | API Part I Vol IX     |
| 4      | Total Ash                          | NMT 12.0%                                                                        | API Part I Vol IX     |
| 5      | Acid Insoluble Ash                 | NMT 2.0%                                                                         | API Part I Vol IX     |
| 6      | Total Soluble Solids               | NLT 90.0%                                                                        | API Part I Vol IX     |
| 7      | Identification Test - TLC          | Complies as per API                                                              | API Part I Vol IX     |
| 8      | Assay – Total Tannins by Titration | NLT 10.0%                                                                        | IHS                   |
| 9      | HEAVY METALS                       |                                                                                  |                       |
|        | Arsenic                            | NMT 3.0 ppm.                                                                     | API Part I Vol IX     |
|        | Cadmium                            | NMT 0.3 ppm.                                                                     |                       |
|        | Lead                               | NMT 10.0 ppm.                                                                    |                       |
|        | Mercury                            | NMT 1.0 ppm.                                                                     |                       |
| 10     | MICROBIOLOGICAL ANALYSIS           |                                                                                  |                       |
|        | Total Aerobic Microbial Count      | NMT 10 <sup>5</sup> cfu/gm                                                       | API Part I Vol IX     |
|        | Total Yeast & Mould Count          | NMT 10 <sup>5</sup> cfu/gm                                                       |                       |
|        | E.Coli                             | Absent/gm                                                                        |                       |
|        | Salmonella                         | Absent/gm                                                                        |                       |
|        | Pseudomonas aeruginosa             | Absent/gm                                                                        |                       |
|        | Staphylococcus aureus              | Absent/gm                                                                        |                       |

|                                 |                                                    |                                                 |                                                 |
|---------------------------------|----------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| Effective Date :<br>17 JAN 2024 | Prepared by:<br>QC (Analyst)<br>Mr.Sangameshwar K. | Checked by:<br>M (Ayush)<br>Dr.Praveen Kulkarni | Approved by:<br>Sr.M (Ayush)<br>Dr.Nilesh Gawas |
| Date & sign:                    |                                                    |                                                 |                                                 |

**\* KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LIMITED, DHARWAD**



**QUALITY CONTROL  
DEPARTMENT  
AYURVEDIC DIVISION**

|                   |                |
|-------------------|----------------|
| Specification No. | AYUR/EX/040-02 |
| Supersedes No.    | AYUR/EX/040-01 |
| Compendia         | API/IHS        |
| Review Date       | 16 JAN 2026    |

**AYURVEDIC RAW MATERIAL SPECIFICATION**

|                       |                                                                                    |                           |
|-----------------------|------------------------------------------------------------------------------------|---------------------------|
| <b>Material Name:</b> | <b>Yashtimadhu – <i>Glycyrrhiza glabra</i>(Rt.)(St.) – Thick Paste Extract 3:1</b> | <b>ITEM CODE: 1AY0009</b> |
|-----------------------|------------------------------------------------------------------------------------|---------------------------|

| SL.NO. | TEST PARAMETERS               | SPECIFICATION                                                               | TEST REFERENCE        |
|--------|-------------------------------|-----------------------------------------------------------------------------|-----------------------|
| 1      | Description                   | Dark brown coloured thick paste with characteristic odour & sweet in taste. | Visual & Organoleptic |
| 2      | Solvent used for extraction   | Aqueous                                                                     | -                     |
| 3      | pH(1% Aqueous Solution)       | 5.5 – 6.5                                                                   | API Part I Vol IX     |
| 4      | Total Ash                     | NMT 10.0%                                                                   | API Part I Vol IX     |
| 5      | Acid insoluble Ash            | NMT 0.5%                                                                    | API Part I Vol IX     |
| 6      | Total soluble solids          | NLT 90.0%                                                                   | API Part I Vol IX     |
| 7      | Identification Test - TLC     | Complies as per API                                                         | API Part I Vol VIII   |
| 8      | Assay –Glycyrrhizin by HPLC   | NLT 2.0%                                                                    | API Part I Vol VIII   |
| 9      | HEAVY METALS                  |                                                                             |                       |
|        | Arsenic                       | NMT 3.0 ppm.                                                                | API Part I Vol IX     |
|        | Cadmium                       | NMT 0.3 ppm.                                                                |                       |
|        | Lead                          | NMT 10.0 ppm.                                                               |                       |
|        | Mercury                       | NMT 1.0 ppm.                                                                |                       |
| 10     | MICROBIOLOGICAL ANALYSIS      |                                                                             |                       |
|        | Total Aerobic Microbial Count | NMT 10 <sup>5</sup> cfu/gm                                                  | API Part I Vol IX     |
|        | Total Yeast & Mould Count     | NMT 10 <sup>3</sup> cfu/gm                                                  |                       |
|        | E.Coli                        | Absent/gm                                                                   |                       |
|        | Salmonella                    | Absent/gm                                                                   |                       |
|        | Pseudomonas aeruginosa        | Absent/gm                                                                   |                       |
|        | Staphylococcus aureus         | Absent/gm                                                                   |                       |

|                                        |                                                    |                                                 |                                                 |
|----------------------------------------|----------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| Effective Date :<br><b>17 JAN 2024</b> | Prepared by:<br>QC (Analyst)<br>Mr.Sangameshwar K. | Checked by:<br>M (Ayush)<br>Dr.Praveen Kulkarni | Approved by:<br>Sr.M (Ayush)<br>Dr.Nilesh Gawas |
| Date & sign:                           | <br>16/01/2024                                     | <br>16/01/2024                                  | <br>16/01/2024                                  |

**KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LIMITED, DHARWAD**



**QUALITY CONTROL  
DEPARTMENT  
AYURVEDIC DIVISION**

|                   |                |
|-------------------|----------------|
| Specification No. | AYUR/EX/112-02 |
| Supersedes No.    | AYUR/EX/112-01 |
| Compendia         | API/IHS        |
| Review Date       | 21 JAN 2026    |

**AYURVEDIC RAW MATERIAL SPECIFICATION**

|                       |                                                                           |                           |
|-----------------------|---------------------------------------------------------------------------|---------------------------|
| <b>Material Name:</b> | Methika – <i>Trigonella foenumgraecum</i> (Sd.) – Dry Powder Extract 15:1 | <b>ITEM CODE:</b> 1AY1059 |
|-----------------------|---------------------------------------------------------------------------|---------------------------|

| SL.NO. | TEST PARAMETERS                      | SPECIFICATION                                                           | TEST REFERENCE        |
|--------|--------------------------------------|-------------------------------------------------------------------------|-----------------------|
| 1      | Description                          | Dark brown coloured powder with characteristic odour & bitter in taste. | Visual & Organoleptic |
| 2      | Solvent used for extraction          | Aqueous                                                                 | -                     |
| 3      | Loss on drying at 105 <sup>0</sup> C | NMT 8.0%                                                                | API Part I Vol IX     |
| 4      | pH(1% Aqueous solution)              | 4.0 – 7.0                                                               | API Part I Vol IX     |
| 5      | Total Ash                            | NMT 12.0%                                                               | API Part I Vol IX     |
| 6      | Acid Insoluble Ash                   | NMT 2.0%                                                                | API Part I Vol IX     |
| 7      | Total Soluble Solids                 | NLT 90.0%                                                               | API Part I Vol IX     |
| 8      | Identification Test - TLC            | Complies as per API                                                     | API Part I Vol IX     |
| 9      | Assay - Total Saponins by Gravimetry | NLT 15.0%                                                               | API Part I Vol IX     |
| 10     | HEAVY METALS                         |                                                                         |                       |
|        | Arsenic                              | NMT 3.0 ppm.                                                            | API Part I Vol IX     |
|        | Cadmium                              | NMT 0.3 ppm.                                                            |                       |
|        | Lead                                 | NMT 10.0 ppm.                                                           |                       |
|        | Mercury                              | NMT 1.0 ppm.                                                            |                       |
| 11     | MICROBIOLOGICAL ANALYSIS             |                                                                         |                       |
|        | Total Aerobic Microbial Count        | NMT 10 <sup>5</sup> cfu/gm                                              | API Part I Vol IX     |
|        | Total Yeast & Mould Count            | NMT 10 <sup>3</sup> cfu/gm                                              |                       |
|        | E.Coli                               | Absent/gm                                                               |                       |
|        | Salmonella                           | Absent/gm                                                               |                       |
|        | Pseudomonas aeruginosa               | Absent/gm                                                               |                       |
|        | Staphylococcus aureus                | Absent/gm                                                               |                       |

|                                        |                                                |                                                 |                                                 |
|----------------------------------------|------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| Effective Date :<br><b>22 JAN 2024</b> | Prepared by:<br>QC (Analyst)<br>Mr.Abhishek D. | Checked by:<br>M (Ayush)<br>Dr.Praveen Kulkarni | Approved by:<br>Sr.M (Ayush)<br>Dr.Nilesh Gawas |
| Date & sign:                           | <br>22/01/2024                                 | <br>22/01/2024                                  | <br>22/01/24                                    |

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KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LIMITED, DHARWAD



QUALITY CONTROL  
DEPARTMENT  
AYURVEDIC DIVISION

|                   |                |
|-------------------|----------------|
| Specification No. | AYUR/EX/113-02 |
| Supersedes No.    | AYUR/EX/113-01 |
| Compendia         | API/IHS        |
| Review Date       | 21 JAN 2026    |

AYURVEDIC RAW MATERIAL SPECIFICATION

|                |                                                                         |                    |
|----------------|-------------------------------------------------------------------------|--------------------|
| Material Name: | Gokshura – <i>Tribulus terrestris</i> (Fr.) – Dry Powder<br>Extract 7:1 | ITEM CODE: 1AY1060 |
|----------------|-------------------------------------------------------------------------|--------------------|

| SL.NO. | TEST PARAMETERS                      | SPECIFICATION                                                           | TEST REFERENCE         |
|--------|--------------------------------------|-------------------------------------------------------------------------|------------------------|
| 1      | Description                          | Brown colour powder with characteristic odour & slight bitter in taste. | Visual & Organoleptic  |
| 2      | Solvent used for extraction          | Aqueous                                                                 |                        |
| 3      | Loss on drying at 105 <sup>0</sup> C | NMT 5.0%                                                                | API Part I Vol IX      |
| 4      | pH(1% Aqueous solution)              | 4.0 – 7.0                                                               | API Part I Vol IX      |
| 5      | Total Ash                            | NMT 10.0%                                                               | API Part I Vol IX      |
| 6      | Acid Insoluble Ash                   | NMT 5.0%                                                                | API Part I Vol IX      |
| 7      | Total Soluble Solids                 | NLT 90.0%                                                               | API Part I Vol IX      |
| 8      | Identification Test - TLC            | Complies as per TLC Atlas                                               | TLC Atlas Part I Vol I |
| 9      | Assay – Total Saponins by Gravimetry | NLT 10.0%                                                               | API Part I Vol IX      |
| 10     | HEAVY METALS                         |                                                                         |                        |
|        | Arsenic                              | NMT 3.0 ppm.                                                            | API Part I Vol IX      |
|        | Cadmium                              | NMT 0.3 ppm.                                                            |                        |
|        | Lead                                 | NMT 10.0 ppm.                                                           |                        |
|        | Mercury                              | NMT 1.0 ppm.                                                            |                        |
| 11     | MICROBIOLOGICAL ANALYSIS             |                                                                         |                        |
|        | Total Aerobic Microbial Count        | NMT 10 <sup>5</sup> cfu/gm                                              | API Part I Vol IX      |
|        | Total Yeast & Mould Count            | NMT 10 <sup>3</sup> cfu/gm                                              |                        |
|        | E.Coli                               | Absent/gm                                                               |                        |
|        | Salmonella                           | Absent/gm                                                               |                        |
|        | Pseudomonas aeruginosa               | Absent/gm                                                               |                        |
|        | Staphylococcus aureus                | Absent/gm                                                               |                        |

|                                 |                                                |                                                 |                                                 |
|---------------------------------|------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| Effective Date :<br>22 JAN 2024 | Prepared by:<br>QC (Analyst)<br>Mr.Abhishek D. | Checked by:<br>M (Ayush)<br>Dr.Praveen Kulkarni | Approved by:<br>Sr.M (Ayush)<br>Dr.Nilesh Gawas |
| Date & sign:                    | <br>22/01/2024                                 | <br>22/01/2024                                  | <br>22/01/24                                    |