



**KARNATAKA ANTIBIOTICS &
PHARMACEUTICALS LIMITED**

(A Government of India Enterprise)

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| ENQUIRY REF. No. | KAPL/PRA/AY/DH/073/2489 |
| DATE | 28/02/2025 |
| DUE DATE | 04/03/2025 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 | 1AY0037 | VARUNA (CRETAVIA NURVULA) T.P 10:1 STEM BARK | KGS | 25 |
| 02 | 1AY0046 | SARIVA (HEIDESMUS INDICA) T.P 8:1 ROOT | KGS | 30 |
| 03 | 1AY0047 | USHIRA (VETTIVERIA ZIZINOIDES) T:P10:1ROOT | KGS | 25 |
| 04 | 1AY0048 | SHATAVARI(ASPARAGUS RACEMOSUS) T.P 4:1 RHIZOME | KGS | 30 |
| 05 | 1AY0049 | LAJJALU (MIMMOSA PUDICA) WHOLE PLANT | KGS | 25 |
| 06 | 1AY1032 | HARIDRA (CURCUMA LONGA) D.P 7:1 RHIZOME | KGS | 50 |
| 07 | 1AY1060 | GOKSHURA(TRIBULUS TERRESTRIS) DP 7:1 FRUIT | KGS | 30 |
| 08 | 1AY1113 | GUGGULU(BALSAMOMDENDRON MUKUL) SOFT EXTRACT 5:1 | 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.**

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KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LIMITED, DHARWAD



QUALITY CONTROL
DEPARTMENT
AYURVEDIC DIVISION

Specification No.

AYUR/EX/063-02

Supersedes No.

AYUR/EX/063-01

Compendia

API/IHS

Review Date

17 JAN 2026

AYURVEDIC RAW MATERIAL SPECIFICATION

Material Name:

Varuna – *Carataeva nurvala*(St.Bk.) – Thick Paste
Extract 10:1

ITEM CODE: 1AY0037

| SL.NO. | TEST PARAMETERS | SPECIFICATION | TEST REFERENCE |
|--------|--------------------------------------|---|------------------------|
| 1 | Description | Brown colour thick paste with characteristic odour, astringent & bitter in taste. | Visual & Organoleptic |
| 2 | Solvent used for extraction | Aqueous | - |
| 3 | pH(1% Aqueous solution) | 4.0 – 7.0 | API Part I Vol IX |
| 4 | Total Ash | NMT 10.0% | API Part I Vol IX |
| 5 | Acid insoluble Ash | NMT 5.0% | API Part I Vol IX |
| 6 | Total soluble solids | NLT 80.0% | API Part I Vol IX |
| 7 | Identification test - TLC | Complies as per TLC Atlas | TLC Atlas Part I Vol I |
| 8 | Assay – Total Saponins by Gravimetry | NLT 2.50% | API Part I Vol IX |
| 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 ⁵ cfu/gm | API Part I Vol IX |
| | Total Yeast & Mould Count | NMT 10 ³ cfu/gm | |
| | E.Coli | Absent/gm | |
| | Salmonella | Absent/gm | |
| | Pseudomonas aeruginosa | Absent/gm | |
| | Staphylococcus aureus | Absent/gm | |

| | | | |
|--|--|---|---|
| Effective Date : 18 JAN 2024 | Prepared by: QC (Analyst) Mr.Abhishek D. | Checked by: M (Ayush) Dr.Praveen Kulkarni | Approved by: Sr.M (Ayush) Dr.Nilesh Gawas |
| Date & sign: | 17/01/2024 | 17/01/2024 | 17/01/24 |

KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LIMITED, DHARWAD



**QUALITY CONTROL
DEPARTMENT
AYURVEDIC DIVISION**

Specification No.

AYUR/EX/071-02

Supersedes No.

AYUR/EX/071-01

Compendia

API/IHS

Review Date

17 JAN 2028

AYURVEDIC RAW MATERIAL SPECIFICATION

Material Name:

**Sariva – *Hemidesmus indica*(Rt.) – Thick Paste
Extract 8:1**

ITEM CODE: 1AY0046

| SL.NO. | TEST PARAMETERS | SPECIFICATION | TEST REFERENCE |
|--------|---------------------------------------|--|------------------------|
| 1 | Description | Brown colour thick paste with characteristic odour & slight bitter in taste. | Visual & Organoleptic |
| 2 | Solvent used for extraction | Aqueous | - |
| 3 | pH(1% Aqueous solution) | 4.0 – 7.0 | API Part I Vol IX |
| 4 | Total Ash | NMT 10.0% | API Part I Vol IX |
| 5 | Acid insoluble Ash | NMT 5.0% | API Part I Vol IX |
| 6 | Total soluble solids | NLT 80.0% | API Part I Vol IX |
| 7 | Identification test - TLC | Complies as per TLC Atlas | TLC Atlas Part I Vol I |
| 8 | Assay - i) Total Tannins by Titration | NLT 5.0% | IHS |
| | ii) Total Saponins by Gravimetry | NLT 5.0% | API Part I Vol IX |
| 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 ⁵ cfu/gm | API Part I Vol IX |
| | Total Yeast & Mould Count | NMT 10 ³ cfu/gm | |
| | E.Coli | Absent/gm | |
| | Salmonella | Absent/gm | |
| | Pseudomonas aeruginosa | Absent/gm | |
| | Staphylococcus aureus | Absent/gm | |

| | | | |
|--|--|---|---|
| Effective Date : 18 JAN 2024 | Prepared by: QC (Analyst) Mr.Abhishek D. | Checked by: M (Ayush) Dr.Praveen Kulkarni | Approved by: Sr.M (Ayush) Dr.Nilesh Gawas |
| Date & sign: | 17/01/2024 | 17/01/2024 | 17/01/24 |

KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LIMITED, DHARWAD



**QUALITY CONTROL
DEPARTMENT
AYURVEDIC DIVISION**

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|-------------------|----------------|
| Specification No. | AYUR/EX/072-02 |
| Supersedes No. | AYUR/EX/072-01 |
| Compendia | API/IHS |
| Review Date. | 17 JAN 2026 |

AYURVEDIC RAW MATERIAL SPECIFICATION

| | |
|--|---------------------------|
| Material Name: Ushir – <i>Vetiveria zizaniodes</i> (Rt.) – Thick Paste Extract 10:1 | ITEM CODE: 1AY0047 |
|--|---------------------------|

| SL.NO. | TEST PARAMETERS | SPECIFICATION | TEST REFERENCE |
|--------|---------------------------------|---|--------------------------|
| 1 | Description | Brown colour thick paste with characteristic odour & bitter in taste. | Visual & Organoleptic |
| 2 | Solvent used for extraction | Hydro alcoholic | - |
| 3 | pH(1% Aqueous solution) | 4.0 – 7.0 | API Part I Vol IX |
| 4 | Total Ash | NMT 10.0% | API Part I Vol IX |
| 5 | Acid insoluble Ash | NMT 5.0% | API Part I Vol IX |
| 6 | Total soluble solids | NLT 80.0% | API Part I Vol IX |
| 7 | Identification Test - TLC | Complies as per TLC Atlas | TLC Atlas Part I Vol III |
| 8 | Assay - Volatile Oil | NLT 0.20% | API Part I Vol IX |
| 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 ⁵ cfu/gm | API Part I Vol IX |
| | Total Yeast & Mould Count | NMT 10 ³ cfu/gm | |
| | E.Coli | Absent/gm | |
| | Salmonella | Absent/gm | |
| | Pseudomonas aeruginosa | Absent/gm | |
| | Staphylococcus aureus | Absent/gm | |

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|--|---|--|--|
| Effective Date : 18 JAN 2024 | Prepared by: QC (Analyst) Mr.Abhishek D. | Checked by: M (Ayush) Dr.Praveen Kulkarni | Approved by: Sr.M (Ayush) Dr.Nilesh Gawas |
| Date & sign: | | | |

KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LIMITED, DHARWAD



**QUALITY CONTROL
DEPARTMENT
AYURVEDIC DIVISION**

Specification No.

AYUR/EX/029-02

Supersedes No.

AYUR/EX/029-01

Compendia

API/IHS

Review Date

16 JAN 2026

AYURVEDIC RAW MATERIAL SPECIFICATION

Material Name:

**Shatavari - *Asparagus racemosus*(Rz.) - Thick
Paste Extract 4:1**

ITEM CODE: 1AY0048

| SL.NO. | TEST PARAMETERS | SPECIFICATION | TEST REFERENCE |
|--------|--------------------------------------|---|-----------------------|
| 1 | Description | Dark brown coloured thick paste with characteristic odour, sweet & bitter in taste. | Visual & Organoleptic |
| 2 | Solvent used for extraction | Aqueous | - |
| 3 | pH(1% Aqueous solution) | 4.5 – 6.5 | API Part I Vol IX |
| 4 | Total Ash | NMT 5.0% | 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 Saponins by Gravimetry | NLT 7.0% | API Part I Vol IX |
| 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 ⁵ cfu/gm | API Part I Vol IX |
| | Total Yeast & Mould Count | NMT 10 ³ cfu/gm | |
| | E.Coli | Absent/gm | |
| | Salmonella | Absent/gm | |
| | Pseudomonas aeruginosa | Absent/gm | |
| | Staphylococcus aureus | Absent/gm | |

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

KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LIMITED, DHARWAD



**QUALITY CONTROL
DEPARTMENT
AYURVEDIC DIVISION**

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|-------------------|----------------|
| Specification No. | AYUR/EX/030-02 |
| Supersedes No. | AYUR/EX/030-01 |
| Compendia | API/IHS |
| Review Date | 16 JAN 2026 |

AYURVEDIC RAW MATERIAL SPECIFICATION

| | | |
|----------------|---|--------------------|
| Material Name: | Lajjalu – <i>Mimosa pudica</i> (Wh.Pl.) - Thick Paste Extract | ITEM CODE: 1AY0049 |
|----------------|---|--------------------|

| SL.NO. | TEST PARAMETERS | SPECIFICATION | TEST REFERENCE |
|--------|------------------------------------|--|-----------------------|
| 1 | Description | Dark brown coloured thick past with. Characteristic odour, bitter & astringent in taste. | Visual & Organoleptic |
| 2 | Solvent used for extraction | Aqueous | |
| 3 | pH(1% Aqueous solution) | 4.0 – 7.0 | API Part I Vol IX |
| 4 | Total Ash | NMT 10.0% | API Part I Vol IX |
| 5 | Acid insoluble Ash | NMT 5.0% | 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 II |
| 8 | Assay – Total Tannins by Titration | NLT 3.0% | 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 ⁵ cfu/gm | API Part I Vol IX |
| | Total Yeast & Mould Count | NMT 10 ³ cfu/gm | |
| | E.Coli | Absent/gm | |
| | Salmonella | Absent/gm | |
| | Pseudomonas aeruginosa | Absent/gm | |
| | Staphylococcus aureus | Absent/gm | |

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|------------------|------------------------------------|----------------------------------|---------------------------------|
| Effective Date : | Prepared by: | Checked by: | Approved by: |
| 17 JAN 2024 | QC (Analyst) Mr.Sangameshwar K. | M (Ayush) Dr.Praveen Kulkarni | Sr.M (Ayush) Dr.Nilesh Gawas |
| Date & sign: | | | |
| | 16/01/2024 | 16/01/2024 | 16/01/24 |

KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LIMITED, DHARWAD



**QUALITY CONTROL
DEPARTMENT
AYURVEDIC DIVISION**

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|-------------------|----------------|
| Specification No. | AYUR/EX/094-02 |
| Supersedes No. | AYUR/EX/094-01 |
| Compendia | API/IHS |
| Review Date. | 18 JAN 2026 |

AYURVEDIC RAW MATERIAL SPECIFICATION

| | | |
|-----------------------|--|---------------------------|
| Material Name: | Haridra – Curcuma longa(Rz.) – Dry Powder Extract 7:1 | ITEM CODE: 1AY1032 |
|-----------------------|--|---------------------------|

| SL.NO. | TEST PARAMETERS | SPECIFICATION | TEST REFERENCE |
|--------|--------------------------------------|---|-----------------------|
| 1 | Description | Light yellowish to orange coloured powder with characteristic odour, pungent & bitter in taste. | Visual & Organoleptic |
| 2 | Solvent used for extraction | Aqueous | - |
| 3 | Loss on drying at 105 ⁰ C | NMT 7.0% | API Part I Vol IX |
| 4 | pH(1% Aqueous solution) | 5.5 – 7.0 | API Part I Vol IX |
| 5 | Total Ash | NMT 30.0% | API Part I Vol IX |
| 6 | Acid insoluble Ash | NMT 1.0% | 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 VIII |
| 9 | Assay – Volatile Oil | NLT 2.0% | API Part I Vol VIII |
| 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 ⁵ cfu/gm | API Part I Vol IX |
| | Total Yeast & Mould Count | NMT 10 ³ cfu/gm | |
| | E.Coli | Absent/gm | |
| | Salmonella | Absent/gm | |
| | Pseudomonas aeruginosa | Absent/gm | |
| | Staphylococcus aureus | Absent/gm | |

| | | | |
|--|---|--|--|
| Effective Date : 19 JAN 2024 | Prepared by: QC (Analyst) Mr.Sangameshwar K. | Checked by: M (Ayush) Dr.Praveen Kulkarni | Approved by: Sr.M (Ayush) Dr.Nilesh Gawas |
| Date & sign: | | | |

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**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 – *Tribulus terrestris*(Fr.) – Dry Powder
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 ^o 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 ⁵ cfu/gm | API Part I Vol IX |
| | Total Yeast & Mould Count | NMT 10 ³ cfu/gm | |
| | E.Coli | Absent/gm | |
| | Salmonella | Absent/gm | |
| | Pseudomonas aeruginosa | Absent/gm | |
| | Staphylococcus aureus | Absent/gm | |

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

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QUALITY CONTROL
DEPARTMENT
AYURVEDIC DIVISION

Specification No. AYUR/EX/144-02
Supersedes No. AYUR/EX/144-01
Compendia API/IHS
Review Date 22 JAN 2026

AYURVEDIC RAW MATERIAL SPECIFICATION

Material Name: Guggulu – Balsamomdendron mukul (Exd.) – Soft Extract 5:1 ITEM CODE: 1AY1113

| SL.NO. | TEST PARAMETERS | SPECIFICATION | TEST REFERENCE |
|--------|-------------------------------|--|-----------------------|
| 1 | Description | Brown coloured soft extract with aromatic odour & bitter in taste. | Visual & Organoleptic |
| 2 | Solvent used for extraction | Hydroalcoholic | - |
| 3 | pH(1%Aqueous Solution) | 4.0 – 7.0 | API Part I Vol IX |
| 4 | Total Ash | NMT 10.0% | API Part I Vol IX |
| 5 | Acid insoluble Ash | NMT 5.0% | API Part I Vol IX |
| 6 | Total soluble solids | NLT 70.0% | API Part I Vol IX |
| 7 | Identification - TLC | Complies as per TLC Atlas | Atlas Part I Vol I |
| 8 | Assay-Guggulosterons by HPLC | NLT 3.0% | IHS |
| 9 | MICROBIOLOGICAL ANALYSIS | | |
| | Total Aerobic Microbial Count | NMT 10 ⁵ cfu/gm | API Part I Vol IX |
| | Total Yeast & Mould Count | NMT 10 ³ cfu/gm | |
| | E.Coli | Absent/gm | |
| | Salmonella | Absent/gm | |
| | Pseudomonas aeruginosa | Absent/gm | |
| | Staphylococcus aureus | Absent/gm | |

| | | | |
|---------------------------------|--|---|---|
| Effective Date : 23 JAN 2024 | Prepared by: QC (Analyst) Mr.Sangameshwar K. | Checked by: M (Ayush) Dr.Praveen Kulkarni | Approved by: Sr.M (Ayush) Dr.Nilesh Gawas |
| Date & sign: | 22/01/2024 | 22/01/2024 | 22/01/24 |