



DEPARTMENT OF QUALITY CONTROL

| Certificate Of Analysis | | | | |
|--|--|------------------------------|---|-----------|
| Product Name: KSM-66 Ashwagandha Root Extract-Vegan (<i>Withania Somnifera</i>) Issued To: Catamount Labs. | | | Stability: 3 Years from the date of manufacture. Country of Origin: India | |
| Batch No: KSM/VG/23/S368 Mfg. Date: Jun 2023 Exp. Date: May 2026 | | | Report No: SKP/S368 Lab Ref No: QC/S368 | |
| No. | Tests | Result | Limits (specification) | Method |
| 1 | Description | Light Yellowish Brown Powder | Light Yellowish Brown Powder | USP |
| 2 | Plant Part Used | Roots | | USP |
| 3 | Identification | | | |
| | By HPTLC | Complies | The chromatogram of the sample solution bands should match with the standard solution bands. | USP<203> |
| | By HPLC | Complies | The retention times of withanolide A and withanoside IV sample solution should match with the standard solutions retention times. | USP<621> |
| 4 | Physico-chemical analysis | | | |
| | Moisture Content (%) | 3.14 | <5.0 | USP<921> |
| | Ash Content | 5.22 | <15.0 | USP<281> |
| | Acid insoluble ash (%w/w) | 2.04 | <5.0 | USP<281> |
| | pH of 5% w/v solution | 4.70 | 4.0-6.0 | USP<791> |
| 5 | Partical Size | | | |
| | Passing through 40 mesh sieve | Pass | >95%(w/w) | USP<786> |
| | Passing through 80 mesh sieve | Pass | >80%(w/w) | USP<786> |
| 6 | Density | | | |
| | Bulk density (g/cc) | 0.57 | 0.2-0.6 | USP<616> |
| | Tapped bulk density (g/cc) | 0.78 | 0.4-0.8 | USP<616> |
| 7 | Heavy Metals | | | |
| | Lead | <0.1 ppm | <0.5ppm | USP<232> |
| | Cadmium | <0.1 ppm | <0.5ppm | USP<232> |
| | Arsenic | <0.2 ppm | <1.5ppm | USP<232> |
| | Mercury | <0.1 ppm | <0.5ppm | USP<232> |
| 8 | Microbiological analysis as per USP | | | |
| | Total viable aerobic count | <10 ⁴ cfu/g | <10 ⁴ cfu/g | USP<2021> |
| | Total enterobacteriaceae | <10 ² cfu/g | <10 ² cfu/g | |
| | Total fungal count | <10 ³ cfu/g | <10 ³ cfu/g | |
| 9 | Test for specific pathogens | | | |
| | E.Coli | Absent | Absent | USP<2022> |
| | Salmonella sp. (cfu/10g) | Absent | Absent | USP<2022> |
| | S.aureus (1g) | Absent | Absent | USP<2022> |
| 10 | Aflatoxins (B1,B2,G1,G2) | <4ppb | <20ppb | AOC |
| 11 | Phyto-Chemical Analysis | | | |
| | Total Withanolides (%w/w) by HPLC | 5.32 | ≥5% | USP |
| | (withaferin A) by HPLC | 0.05% | (<0.1%) | USP |

BDL-Below detection levels

Sample complies with the above said specifications.

Storage: Store in original,sealed containers at room temperature. Avoid light and keep away from excessive humidity.**Regd. Off.:** 5-9-225, 3rd Floor, Sanali estate, C.A Lane, Abids, Hyderabad-500001, Telangana State, India.**Corporate Off.:** H.No 1057F2, 3rd Floor, PBN Centre, Jubilee Hills, Road No:45, Hyderabad - 500033, Telangana, India.

Ph: +91 40 23554386

e-mail:info@ixoreal.com, Website: www.ksm66ashwagandhaa.com

