

TECHNICAL SPECIFICATION

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|----------------------------------|--|--|------------------------------------|-------------|
| PRODUCT | | ASHWAGANDHA EXTRACT -5% by Gravimetry | | |
| Description /Appearance | | Light Brown to light Brown color, hygroscopic powder | Organoleptic | |
| Taste & Odour | | Characteristic Odour & Bitter in Tate | Organoleptic | |
| Identification | | By TLC | IH -TM-085 | |
| Loss on Drying | | NMT 5.0% w/w | USP 37<731> | |
| Ash content | | NMT 13.0% w/w | USP 37<281> | |
| Particle size | | NLT 90% w/w through 40 Mesh | USP 37<786> | |
| Bulk Density | | Tapped Un tapped | 0.30-0.95 gm/ml 0.20-0.60 gm/ml | USP 37<616> |
| Assay | | | | |
| Total Withanolides By Gravimetry | | NLT 5.0% w/w | IH-TM-041 | |
| Heavy metals | | NMT 20 ppm | USP<231> | |
| a) Lead | | NMT 5.0 ppm | ICP-OES | |
| b) Arsenic | | NMT 3.0 ppm | ICP-OES | |
| c) Cadmium | | NMT 3.0 ppm | ICP-OES | |
| d) Mercury | | NMT 3.0 ppm | ICP-OES | |
| Microbiology Tests | | | | |
| a) Total Aerobic Microbial Count | | NMT 5000 cfu/gm | USP<2021> | |
| b) Yeast & Mould | | NMT 100 cfu/gm | USP<2021> | |
| c) Coli forms | | Absent in 10 gram | IS 5401-2:2012 | |
| d) Salmonella | | Absent in 10 gram | | |
| e) Escherichia coli | | Absent in 10 gram | USP<2022> | |
| f) Staphylococcus aureus | | Absent in 10 gram | USP<2022> | |