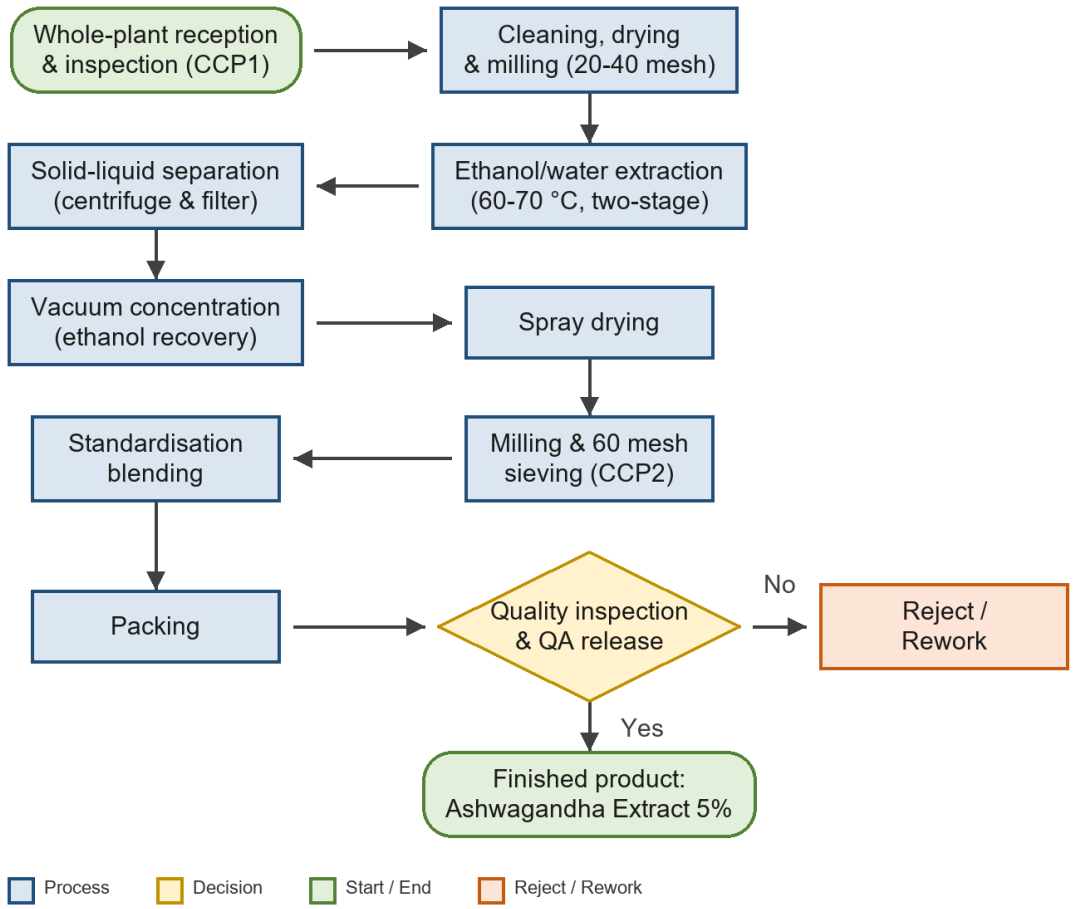
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PROCESS FLOW CHART

Ashwagandha Extract 5% Withanolides

Ashwagandha Extract 5% is made from the dried whole plant of *Withania somnifera*. The herb is received and released at CCP1, cleaned, dried and milled, and extracted twice with aqueous ethanol at 60-70 °C; the liquor is separated by centrifuge and filtration and concentrated under vacuum with recovery of the ethanol. The concentrate is spray-dried, and the powder is milled and sieved through 60 mesh (CCP2). Batches are standardised to the declared withanolide content by blending and packed, and released at not less than 5.0% total withanolides on the dried basis by HPLC. No carrier, excipient or additive is used, and no methanol, hexane or other Class 1 or 2 solvent is used at any stage.



The process is operated under a HACCP-based food-safety plan and GMP; critical control points include raw-material acceptance (CCP1), the in-process checks marked on the chart, and the final quality inspection and QA release. Off-spec material is rejected or reworked.

Prepared by: Mia Yu Approved by: Charlie Wang Date: Nov. 18, 2026