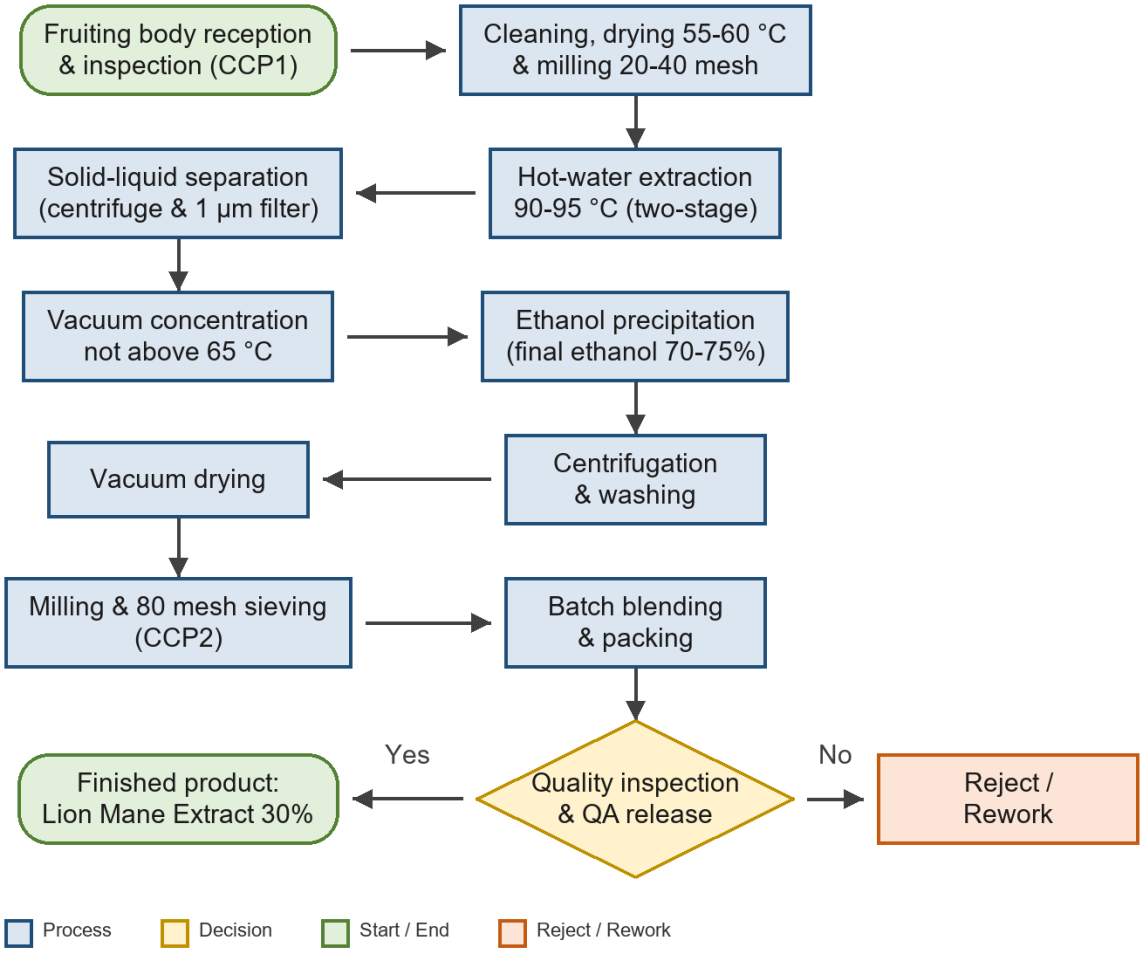
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PROCESS FLOW CHART

Lion Mane Extract 30% Beta-Glucan

Lion Mane Extract 30% is manufactured from the fruiting body of *Hericium erinaceus*, cleaned, dried at 55-60 °C and milled to 20-40 mesh, then extracted twice with hot water at 90-95 °C. The liquors are separated by centrifuge and 1 µm filtration and concentrated under vacuum at not more than 65 °C; the concentrate is poured into ethanol to a final strength of 70-75%, at which the polysaccharide precipitates while monosaccharides, organic acids and salts stay in solution. The precipitate is centrifuged, washed with ethanol, vacuum-dried, milled, sieved through 80 mesh (CCP2) before batch blending and packing (CCP3), giving a yellow to yellow-brown powder of not less than 30.0% beta-glucan by AOAC 995.16 and not less than 50.0% polysaccharides by UV.



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