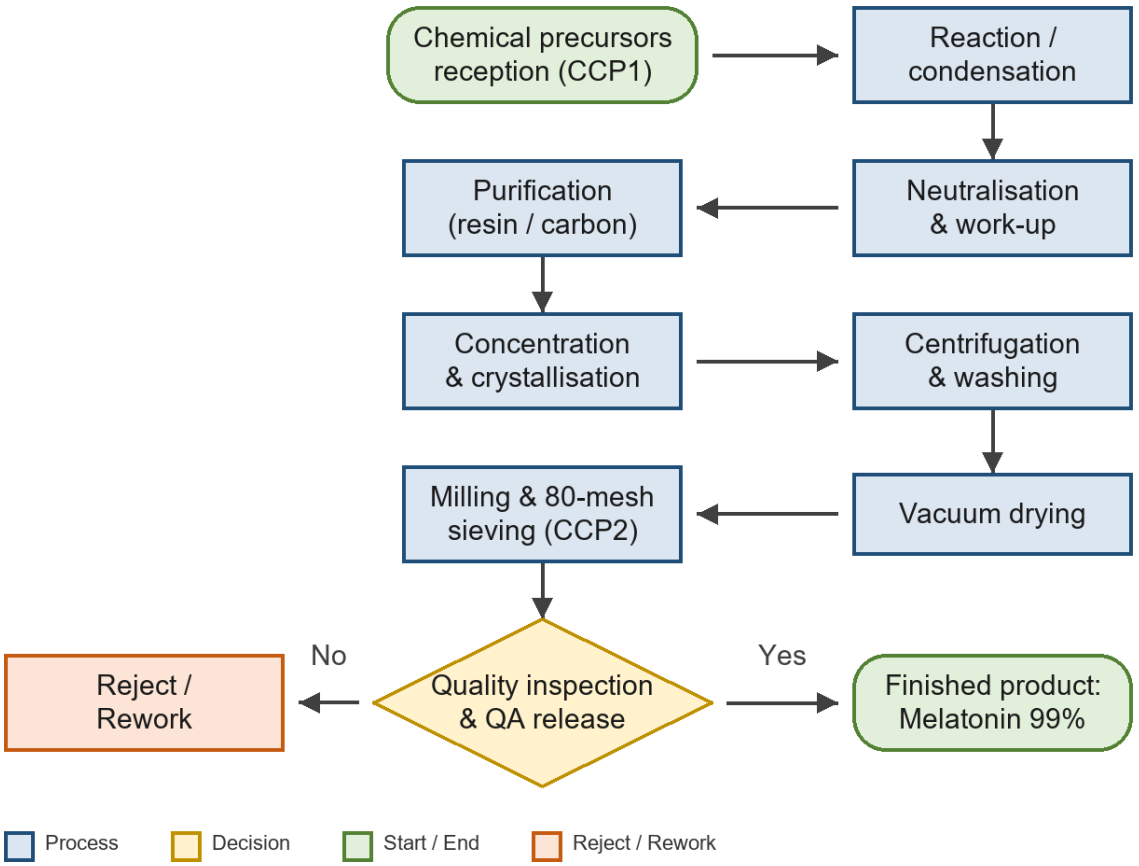
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PROCESS FLOW CHART

Melatonin 99%

Melatonin is a purified single substance made by chemical synthesis. The reaction is followed by neutralisation, solvent extraction and decolourisation; the product is crystallised, centrifuged, washed, vacuum dried, milled and sieved before quality inspection and QA release, giving a white or off-white crystalline powder of 98.5% to 101.5% assay by HPLC on the dried basis.



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: Mar. 26, 2026