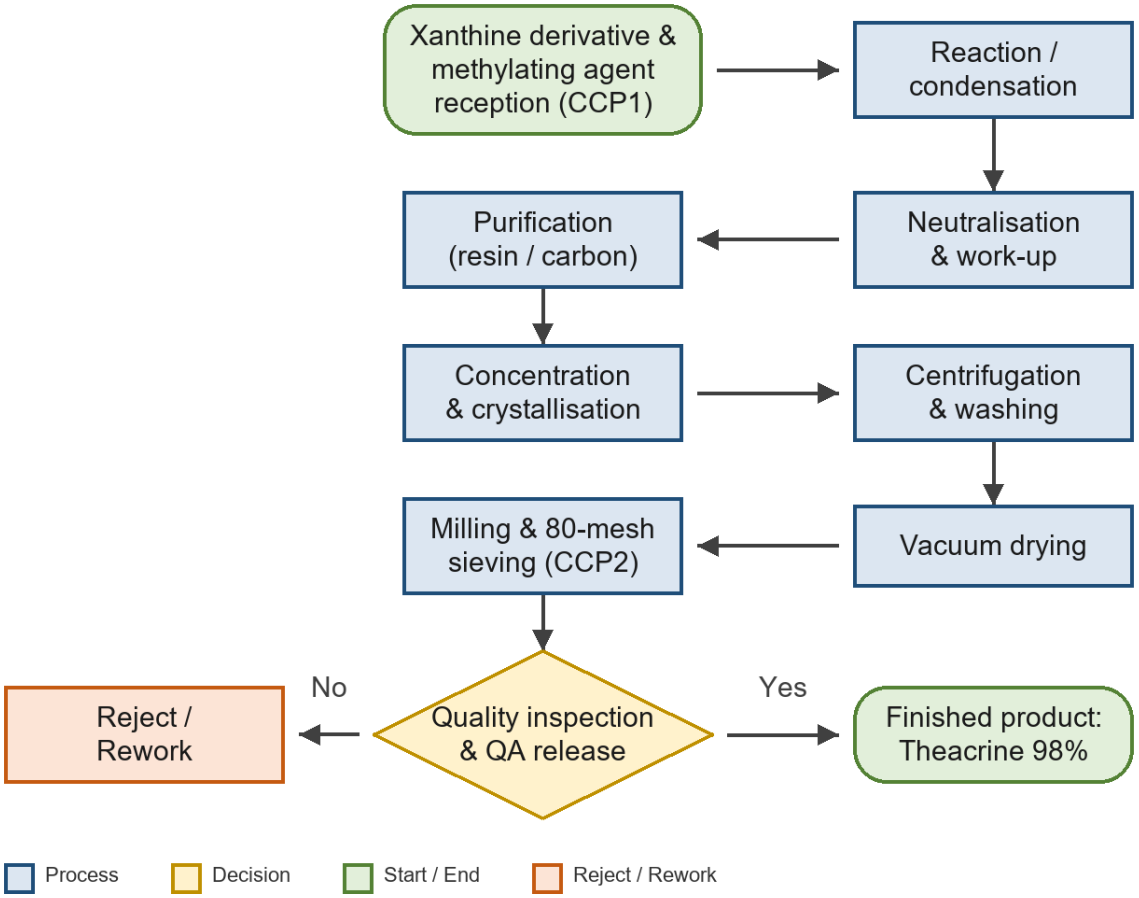
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PROCESS FLOW CHART

Theacrine 98%

Theacrine is a purified single substance made by chemical synthesis from a xanthine derivative by methylation. The crude product is purified by resin or carbon treatment, concentrated and crystallised, then centrifuged, washed, vacuum dried, milled and sieved before quality inspection and QA release, giving a white to off-white crystalline powder of 98.0% 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: Oct. 15, 2026