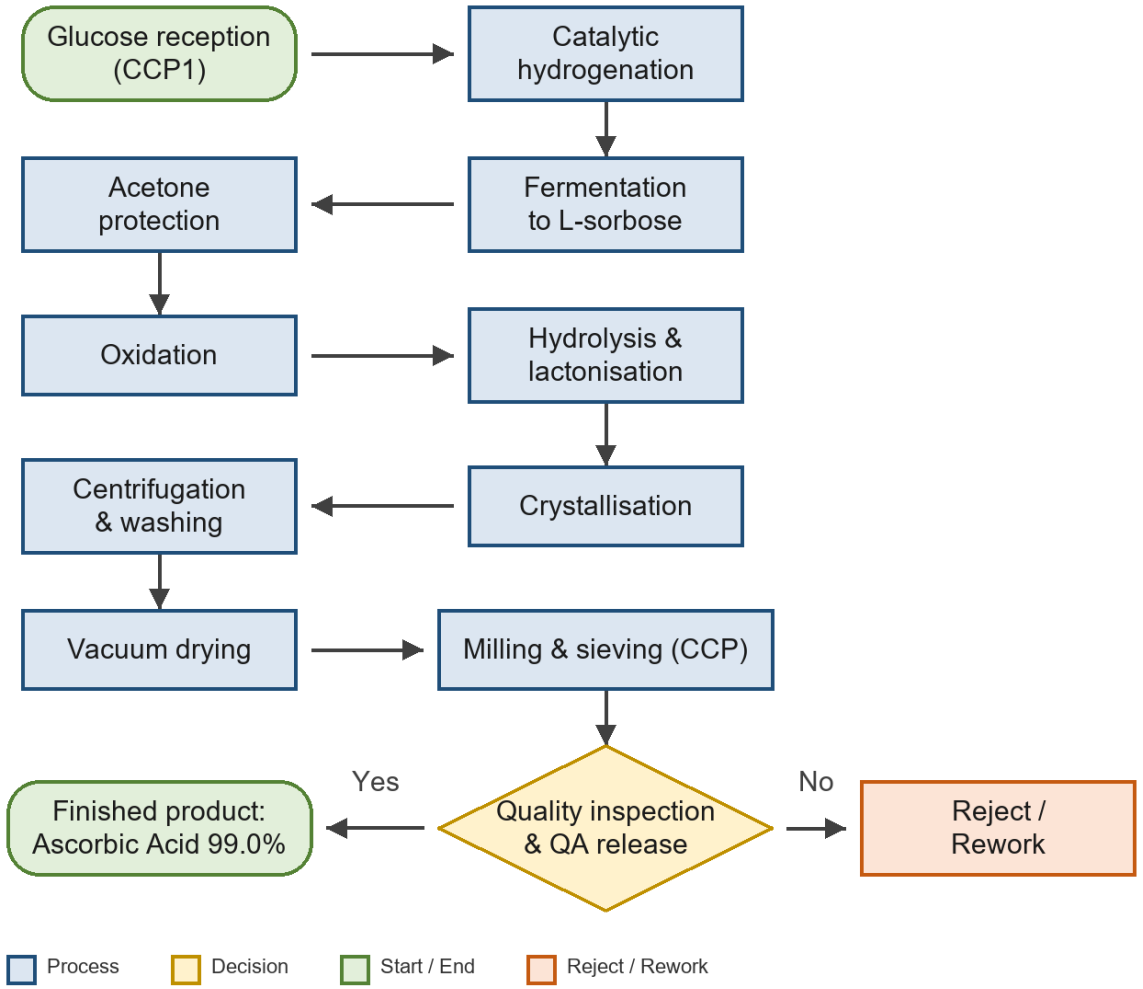
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PROCESS FLOW CHART

Ascorbic Acid 99.0%

Ascorbic Acid 99.0% is manufactured by the Reichstein route. Glucose is hydrogenated to sorbitol, which is fermented to L-sorbose; the sorbose is protected with acetone, oxidised to the diacetone-2-keto-L-gulonic acid, and converted to L-ascorbic acid by hydrolysis and lactonisation. The product is crystallised, centrifuged, washed, vacuum dried, milled and sieved before quality inspection and QA release.



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. 05, 2026