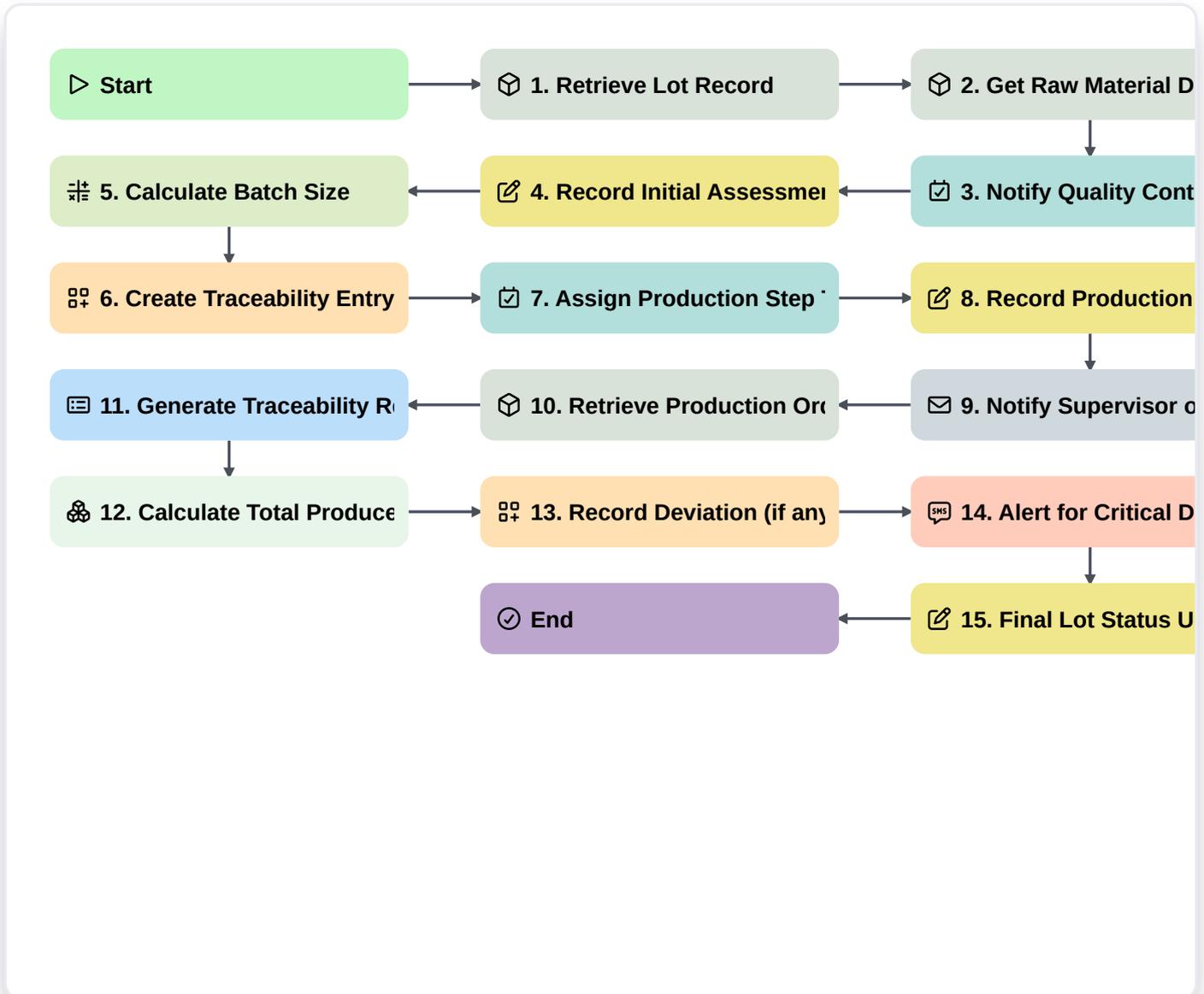


Lot Traceability Management Workflow



▷ Start

Start of the Workflow/Process.

📦 1. Retrieve Lot Record

Fetch the initial lot record details from the Lot Tracking Data Model.

📦 2. Get Raw Material Details

Retrieve associated raw material details based on the lot record.

✅ 3. Notify Quality Control

Create a task to notify Quality Control for initial assessment.

📝 4. Record Initial Assessment

Update the lot record with the initial assessment findings from QC.

🔢 5. Calculate Batch Size

Calculate the batch size based on the lot record and production order.

🔢 6. Create Traceability Entry

Create a new entry in the Traceability Data Model, linking the lot to production steps.

7. Assign Production Step Task

Create a task for the operator to complete the production step with linked traceability information.

8. Record Production Step Details

Update the traceability entry with the details of the completed production step (operator, timestamp, etc.).

9. Notify Supervisor of Completion

Send an email notification to the supervisor when a production step is complete.

10. Retrieve Production Order Details

Fetch the associated production order information.

11. Generate Traceability Report

Create a report showing the full traceability history for the lot.

12. Calculate Total Produced

Aggregate data to show total quantity produced within the lot.

13. Record Deviation (if any)

Create entry for deviations from the process, if they occurred.

14. Alert for Critical Deviation

Send SMS alert to relevant personnel for critical process deviations.

15. Final Lot Status Update

Update the final status of the lot (e.g., 'Shipped', 'Quarantined').

End

Start of the Workflow/Process.