

# SPC Report (Demo) — Mixing Tank MT-01

Generated: 2025-12-18 01:53

Parameter: Product\_Temperature\_End (°C)

Spec limits: LSL=98.000, USL=102.000

## Key Statistics

- N = 120
- Mean = 100.328
- Estimated  $\sigma$  (from MR) = 0.891
- Min / Max = 98.305 / 102.847

## Capability (estimated)

- Cp = 0.75
- Cpk = 0.63

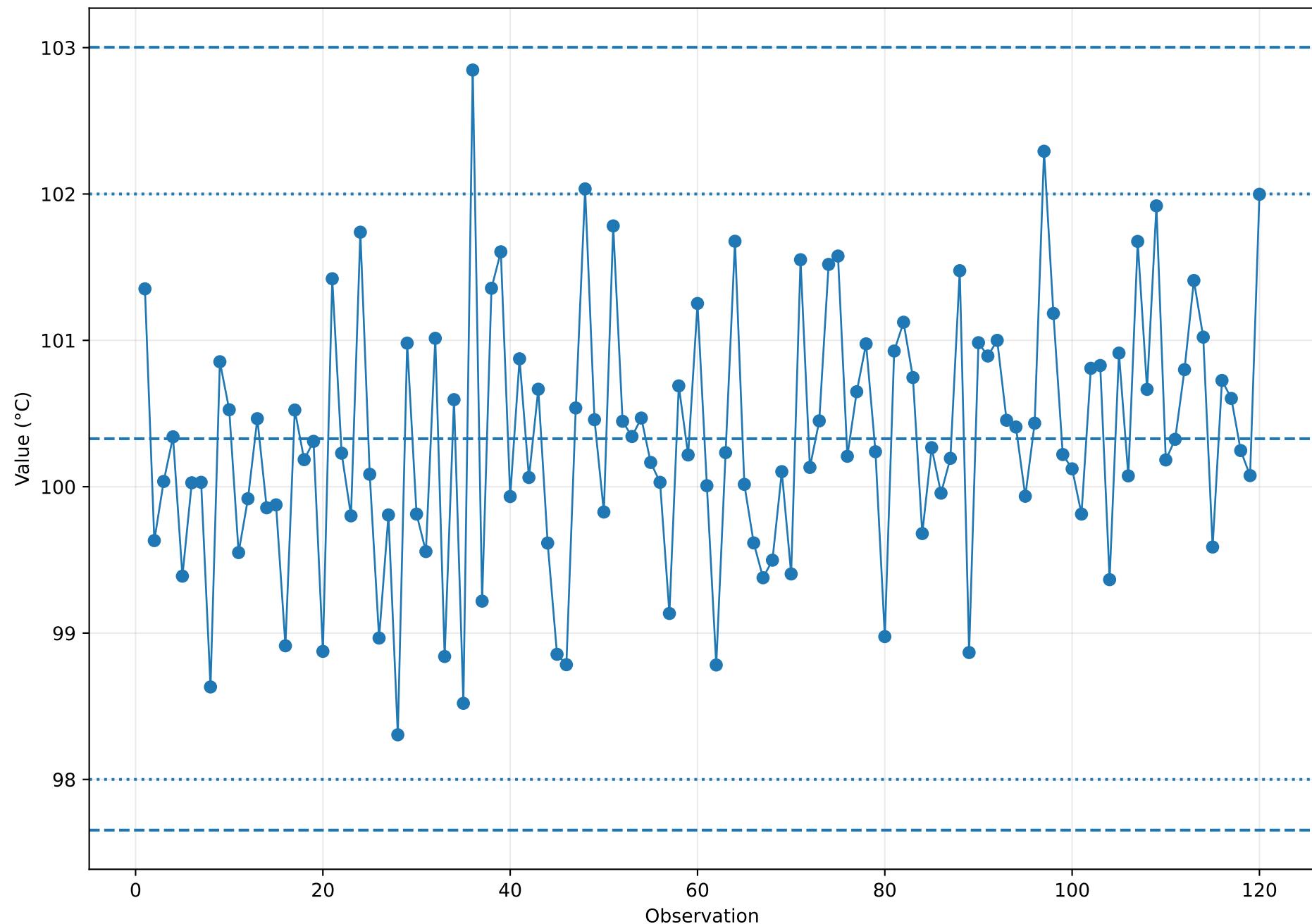
## SPC Signals (Rules applied)

- Beyond  $\pm 3\sigma$  points: 0
- Run of 8 on one side: 0
- Total flagged points: 0

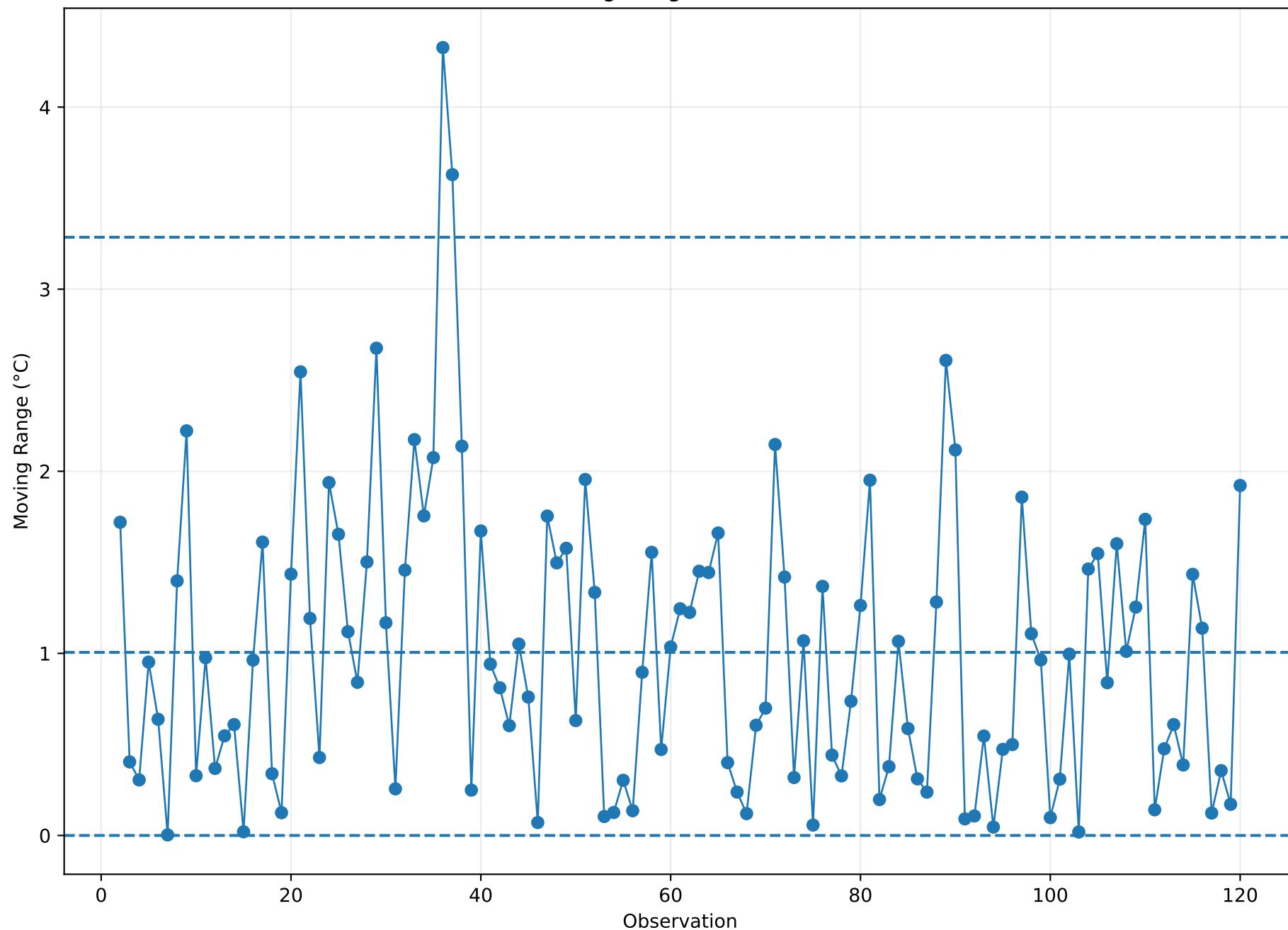
## Notes

- This is a demo dataset + demo report structure for a CV portfolio.
- Replace 'sample\_process\_data.csv' with real (sanitized) data if available.

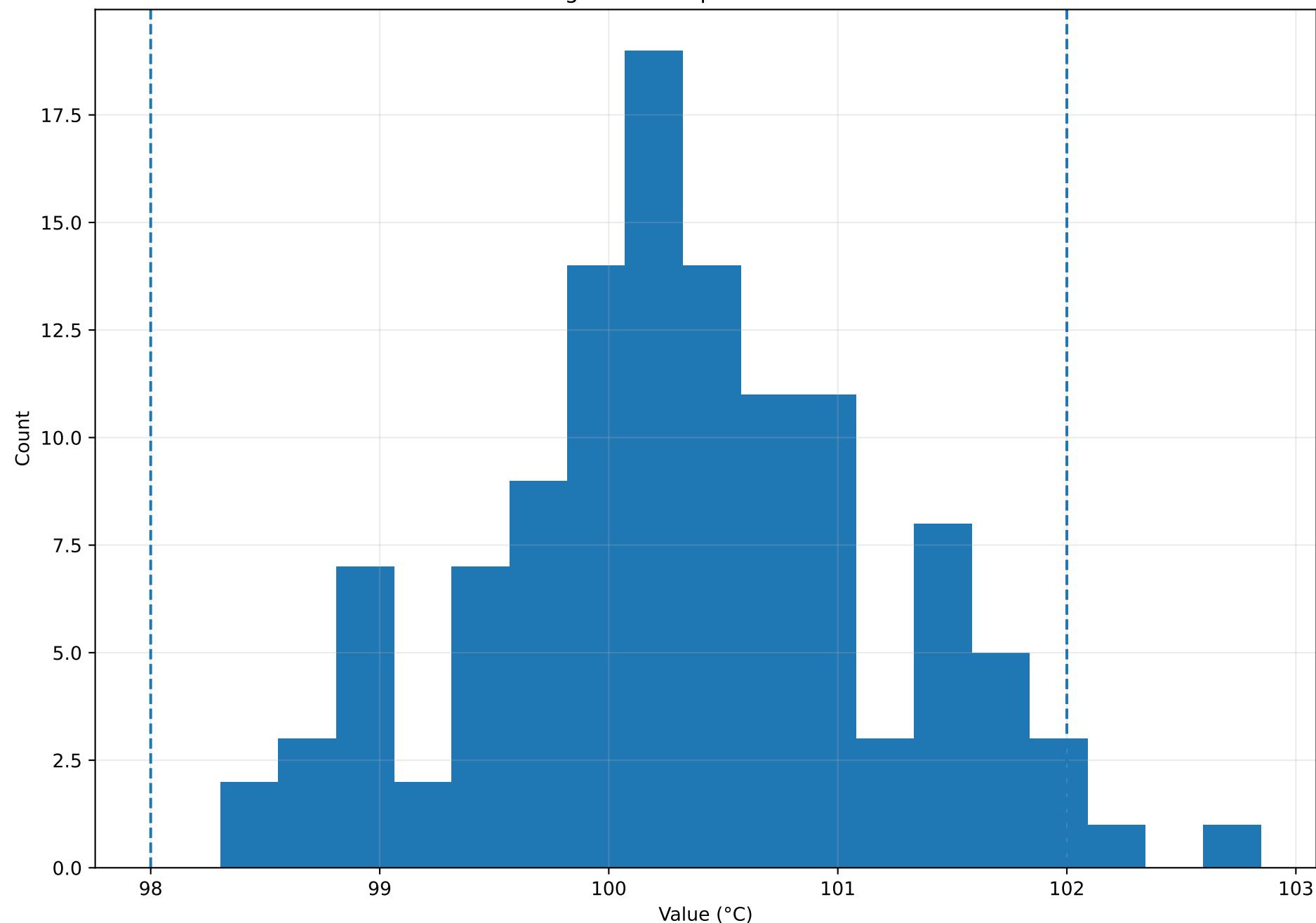
Individuals Chart (I)



Moving Range Chart (MR)



Histogram with Specification Limits



## Flagged Points (Investigation List)

No points flagged by the selected rules.