

Quality Control Report

QC-2026-0142

2026-03-28

PASS

8

ITEMS CHECKED

7

PASSED

2

DEFECTS

87.5%

PASS RATE

PRODUCT	SKU / PART NO.	BATCH / LOT	INSPECTOR	CUSTOMER
Hydraulic Control Valve HCV-200	HCV-200-SS	LOT-2026-03-0291	Marcus Rivera	Nordic Industrial Systems

INSPECTION CHECKLIST

CHECK POINT	SPECIFICATION	MEASURED	METHOD	STATUS
Body pressure test	350 bar min hold 3 min	362 bar / 3 min OK	ISO 5208	Pass
Seat leakage test	Zero visible leakage	No leakage detected	API 598	Pass
Operating torque	Max 45 Nm at rated pressure	38 Nm	EN 12570	Pass
Dimensional check (critical)	Per drawing HCV-200-R4	All within tolerance	CMM report	Pass
Surface finish (Ra)	Max 1.6 um on sealing faces	1.2 um	ISO 4287	Pass
Material hardness	58-62 HRC (stem)	60 HRC	ASTM E18	Pass
Marking and traceability	Legible per PED 2014/68/EU	Minor: torque label faded	Visual	Fail
Packaging integrity	No damage, caps fitted	Compliant	Visual	Pass

DEFECTS FOUND

#	DESCRIPTION	LOCATION	SEVERITY	CORRECTIVE ACTION
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INSPECTOR NOTES

Batch LOT-2026-03-0291 inspected per standard protocol. One minor cosmetic defect identified on unit #47 (surface scratch on body, does not affect function or seal integrity). One observation on torque marking legibility - corrective action issued for label printer calibration. All critical and major checkpoints passed. Batch is approved for shipment to Nordic Industrial Systems.

INSPECTOR

Marcus Rivera

Senior QC Inspector

SUPERVISOR APPROVAL

Linda Johansson

QA Manager