INDEPENDENT THIRD-PARTY VERIFICATION

Supplier Assessment Report

Shanghai ALWELL Machinery Equipment Co., Ltd.

Report No.	CN-SH-2024-TUV9817
Audit Standard	TUV Rheinland Supplier Assessment Protocol 2024 (SA-2024)
Audited Site	No. 188 Xinjia Road, Jiading District, Shanghai, China
Audit Type	On-site Supplier Capability & Factory Facility Assessment
Audit Dates	April 15 - April 17, 2024 (3 days on-site)
Issue Date	April 28, 2024
Validity	April 2024 - April 2025
Lead Auditor	M. Becker, TUV Rheinland Greater China
Audit Team	M. Becker (Lead), L. Zhang (Mechanical), H. Chen (Quality)
Overall Result	**FULLY COMPLIANT - Overall Score 96 / 100**

This report is issued independently by TUV Rheinland. The tamper-proof digital seal of this report can be verified on the ecer.com global trade network with the report number above.

1. Executive Summary

TUV Rheinland conducted an independent on-site assessment of Shanghai ALWELL Machinery Equipment Co., Ltd. ("the Supplier") on April 15-17, 2024. The assessment covered manufacturing capacity, quality management and cleanroom conditions, export qualification, facility and workforce, and R&D; plus after-sales capability, following the TUV Rheinland Supplier Assessment Protocol 2024 (SA-2024).

The Supplier operates a 25,000 m2 production base with more than 300 employees, including a 40-engineer R&D; team. The audit verified the production of rotary vial filling and capping lines (model family VLC-98xx), including a 72-hour continuous load test of one VLC-9817 line. The overall score is 96 out of 100 and the Supplier is rated FULLY COMPLIANT. Two minor non-conformities were raised and both corrective actions were verified on site before report issuance.

Assessment Category	Weight	Score	Result
Manufacturing Capacity	25%	24.5 / 25	Passed / 99%
Quality & Cleanroom	25%	24.0 / 25	ISO 9001 - GMP
Export Qualification	15%	14.5 / 15	100% Compliant
Facility & Workforce	20%	19.0 / 20	25,000 m2 / 300+
R&D & After-Sales	15%	14.0 / 15	40 Engineers
Overall	**100%**	**96 / 100**	**FULLY COMPLIANT**

2. Audit Methodology

The assessment combined document review, staff interviews, production floor walkthroughs and witnessed testing. Evidence was collected as timestamped photographs and video records; all media referenced in this report are archived in the TUV Rheinland evidence vault and mirrored on the ecer.com verification page of the Supplier.

Step	Activity	Evidence
D1	Opening meeting, business license and legal entity verification	Document scan x6
D1	Production floor walkthrough, CNC and assembly halls	Photos x42, video 02:46
D2	Quality lab: spectrometer check of SUS304/SUS316L contact parts	Photos x18, test sheet x3
D2	72h continuous load test start (VLC-9817, contract unit)	Video 04:18
D3	Load test readout, cleanroom particulate measurement	Test sheet x2
D3	Export documentation and after-sales process review	Document scan x11
D3	Closing meeting, non-conformity signing	Signed NC record x2

3. Detailed Findings by Category

3.1 Manufacturing Capacity - Passed / 99%

CNC machining center, laser cutting and welding stations were verified against the declared equipment list. The rotary filling line reached a stable 30-50 bottles per minute during the witnessed run, with filling accuracy measured at +/-0.5% across 200 sampled vials (target +/-1%). Capacity utilisation records for the last 12 months support the declared annual output.

3.2 Quality & Cleanroom - ISO 9001 / GMP

The quality management system certificate ISO 9001:2015 (No. 0123Q45678) was verified as valid. Cleanroom particulate counts in the vial washing and filling zone met Class D limits. Contact material certificates for SUS304 and SUS316L were cross-checked with a portable spectrometer; all 8 sampled nozzles matched declared grades.

3.3 Export Qualification - 100% Compliant

CE declarations of conformity, machine directive files and customs registration were reviewed. Export records to 20+ countries in 2022-2024 show no compliance incident. Packaging conforms to ISPM-15 for wooden crates.

3.4 Facility & Workforce - 25,000 m2 / 300+ Workers

Property certificate and lease contracts confirm 25,000 m2 of owned production space. Payroll sampling confirms 300+ employees with 150+ verified technical workers; special-operation certificates (welding, electrical) were valid for all sampled staff.

3.5 R&D; & After-Sales - 40 Engineers

The R&D; centre employs 40 engineers with a dedicated lab for filling accuracy and servo control research. 14 utility patents and 6 invention patents were sampled and verified. After-sales SLA documents commit to 24h remote response and 72h on-site response within China.

4. On-Site Verification Media Index

The following media were captured by the audit team and are published on the Supplier verification page. Video records are stored uncut in the evidence vault.

ID	Type	Description	Captured
V-01	Video 02:46	Audit walkthrough: rotary filling line running test	2024-04-15 14:30
V-02	Video 04:18	72h continuous load test, hour-70 readout	2024-04-17 09:12
P-01	Photo	Spectrometer check of SUS304 contact parts	2024-04-16 10:05
P-02	Photo	Lead auditor and facility engineer, assembly hall	2024-04-16 11:40
P-03	Photo	Cleanroom particulate counter in filling zone	2024-04-16 15:22
P-04	Photo	Export crate packing and ISPM-15 stamp	2024-04-17 16:03

5. Non-Conformities and Corrective Actions

NC	Description	Action	Status
NC-01	Two calibration tags expired on torque wrenches (assembly hall B)	Replaced, tags renewed, procedure revised	Closed 2024-04-17
NC-02	Supplier evaluation record missing for one fastener vendor	Vendor audit completed, record filed	Closed 2024-04-25

6. Conclusion and Validity

Based on the evidence collected on site, Shanghai ALWELL Machinery Equipment Co., Ltd. is assessed as FULLY COMPLIANT with the TUV Rheinland Supplier Assessment Protocol 2024, overall score 96/100. This report is valid from April 2024 to April 2025 and is subject to a surveillance visit in Q1 2025. Any alteration of this document invalidates the digital seal; verify authenticity with report number CN-SH-2024-TUV9817 on the ecer.com global trade network.

Lead Auditor	Review & Approval
M. Becker TUV Rheinland Greater China 2024-04-28	K. Hoffmann Head of Supplier Services 2024-04-28