Certificate

Certificate of Conformity with Fugitive Emission Testing According to

ISO 15848-1:2015 + Amd 1:2017

Certificate no.:	**01 202 CHN/K-230207**
Name and address of the applicant / license holder:	**Chongqing Chuanyi Control Valve Co., Ltd.** No. 879 Caihe Road, Caijiagang Town, Beibei District, Chongqing, P.R. China 400707

We hereby certify that the results of Valve Stem Assembly Sealing System tests carried out under our inspection on the below industrial valve(s) meeting the requirements in the standard mentioned above. This certificate does not imply assessment of the product production. It reflects only our inspection for tested valve described herein at the time and the place of test, and does not refer to any other matters.

Detail valve technical data and manufacturer's information, refer to appendix and test report.

Model/ Type identification	Control Valve
Description of tested valve:	HCP-10000, NPS 3, CLASS 2500 Body material: ASTM A351 CF8
Name and address of the manufacturer:	**Chongqing Chuanyi Control Valve Co., Ltd.** No. 879 Caihe Road, Caijiagang Town, Beibei District, Chongqing, P.R. China 400707
General drawing number:	HCP2A-080-000-0003
Test report number:	SICCV-TA2301
Test medium/ Criteria:	Helium / $\leq 3.56\times10^{-5}$ mbar × l/s(stem seal), ≤50ppmv(body seal)
Test result:	Passed
Performance class:	ISO FE BH-CC2-SSA2-t-45°C[400°C]-CL2500-ISO15848-1

Extension of qualification to untested valves in accordance with ISO15848-1: 2015 Paragraph 8

Other valve stem size qualified for:	Ø10~40mm
Other pressure ranges qualified for:	Equal Class 2500 or lower

Place: Shanghai

Date: 11 May, 2023

Oliver Zhu
Department Manager
TÜV Rheinland (Shanghai) Co., Ltd.
Industrial Services & Cybersecurity Greater China

10/201 10.17 E A4 ® TÜV, TUEV and TUV are registered trademarks. Utilisation and application requires prior approval.

TÜV Rheinland (Shanghai) Co.,Ltd.
TÜV Rheinland Building,No. 177, Lane 777, West Guangzhong Road,
Jing'an District, Shanghai, P. R. China 200072, Tel.:021-61081188

www.tuv.com

TÜVRheinland®
Precisely Right.

Appendix 1 | Certificate No. **01 202 CHN/K-230207** | Our Reference Order No. 244512389

Construction & Test Data

Name and address of the applicant / license holder: **Chongqing Chuanyi Control Valve Co., Ltd.** No. 879 Caihe Road, Caijiagang Town, Beibei District, Chongqing, P.R. China 400707

Name and address of the manufacturer: **Chongqing Chuanyi Control Valve Co., Ltd.** No. 879 Caihe Road, Caijiagang Town, Beibei District, Chongqing, P.R. China 400707

Test facility: **Chongqing Chuanyi Control Valve Co., Ltd.**

Test report No.: SICCV-TA2301

Model/ Type identification	Control Valve
Description of tested valve:	HCP-10000, NPS 3, CLASS 2500, Body material: ASTM A351 CF8
Serials number of tested valve:	M202209140002
Performance class:	ISO FE BH-CC2-SSA2-t-45°C[400°C]-CL2500-ISO15848-1
General drawing number:	HCP2A-080-000-0003
Stem drawing number:	E2054001-162
Stem sealing type / Size (Ring Qty.):	Graphite Packing / Ø20×Ø33×30 mm (1)
Body sealing type / Size (Ring Qty.):	316L / 2pcs
Stem size:	Ø20mm
Test medium/ Criteria:	Helium / ≤3.56×10^{-5} mbar × l/s(stem seal), ≤50ppmv(body seal)
Test result/ Leakage rate:	Passed / 5.6×10^{-6} mbar × l/s(stem seal), 22ppmv(body seal)

The Valve Sealing System is in compliance with the above mentioned requirements. The test and the classification is based on a type approval and does not include the factory inspection.

Extension of qualification to untested valves in accordance with ISO15848-1: 2015 Paragraph 8

Other valve stem size qualified for: Ø10~40mm
Other pressure ranges qualified for: Equal Class 2500 or lower

Zhao Botao
Project Manager
Date: 11 May, 2023

Place: Shanghai

Oliver Zhu
Department Manager
Date: 11 May, 2023

TÜV Rheinland (Shanghai) Co., Ltd.
Industrial Services & Cybersecurity Greater China

TÜV Rheinland (Shanghai) Co.,Ltd.
TÜV Rheinland Building,No. 177, Lane 777, West Guangzhong Road,
Jing'an District, Shanghai, P. R. China 200072, Tel.:021-61081188

www.tuv.com

TÜVRheinland®
Precisely Right.

10/201 10.17 E A4 ® TÜV, TUEV and TUV are registered trademarks. Utilisation and application requires prior approval.