



Industry & Facilities Division
Inspection Certificate



CERTIFICATE

ISO 10497 : 2022

The undersigned, *Vincent Sheng* acting with the scope of the contractual requirements entrusted to Bureau Veritas, certifies that the supply:


Valve Model : Series F502
Valve Type : 2Pcs Flanged End Ball Valve (Full Bore)
Valve Size : 2 inch (DN 50) x 1 piece
Pressure Rating : Class 150
Drawing No. : Z02Q80A0-2 ver.0
Body Material : ASTM A216 WCB
Seat Material : PTFE
Ball Material : ASTM A351 CF8M
Stem Material : SS316
Supplied by : TRANSWORLD STEEL ENTERPRISE CO., LTD.

Tested by Metal Industries Research & Development Centre (MIRDC) and witnessed by Bureau Veritas, per ISO 10497: 2022 at Lung-Tan, Taiwan. Verified in conformity with the requirements of the standard mentioned above.

Client : TRANSWORLD STEEL ENTERPRISE CO., LTD.
No. 34, Gongye 14th Rd., Dali Dist., Taichung City 412, Taiwan (R.O.C.)
Test Date : 2 Nov. 2023
Test Report No. : T11211004-1

Qualified Range of Valves (according to Clause 7.3 ~ 7.4 of ISO 10497: 2022)

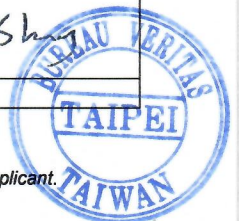
Valve Model : Series F502
Pressure Rating : Class 150; 300 (PN 10; 16; 25; 40)
Valve Size : NPS 2 and below; 2 1/2; 3; 4 (DN 50 and below; 65; 80; 100)
Body Materials : Ferritic

Etabli à / Issued at	Le / On	Signé par / Signed by	Signature / Signature
Taipei, Taiwan	17 Nov. 2023	Vincent Sheng	

Certificate No. : TPI23284-2

* This certificate must be read in conjunction with the test report No. T11211004-1 of MIRDC.

** This certificate is subject to the terms of Bureau Veritas General Conditions of Service attached to the agreement signed by the applicant.



CERTIFICATE

ISO 10497 4th Edition: 2022

The undersigned, C. H. Su acting with the scope of the contractual requirements entrusted to Bureau Veritas, certifies that the supply:

Valve Model : Series F502
Valve Type : 2-PIECE FLANGED END BALL VALVE
Valve Size : 3 inch
Pressure Rating : Class 150
Drawing No. : Z02Q80B0-2
Body Material : WCB/1.0619
Seat Material : PTFE
Ball Material : SS316
Stem Material : SS316
Supplied by : Transworld Steel Enterprise Co., Ltd.

Tested by Metal Industries Research & Development Centre (MIRDC) and witnessed by Bureau Veritas, per ISO 10497 10497 4th Edition:2022 at Lung-Tan, Taiwan. Verified in conformity with the requirements of the standard mentioned above.

Client : Transworld Steel Enterprise Co., Ltd.
No.34, Gongye 14th Rd., Dali Dist., Taichung City 412, Taiwan (R.O.C.)

Test Date : 31st March 2025

Test Report No. : T11403012-2

Qualified Range of Valves (according to Clause 7.5 of ISO 10497 4th Edition: 2022)

Valve Model : Series F502
Pressure Rating : Class 150, 300 (PN 10 ; 16 ; 25 ; 40)
Valve Size : NPS 3, 4, 5, 6
Body Materials : Ferritic

Etabli à / Issued at	Le / On	Signé par / Signed by	Signature / Signature
Taipei, Taiwan	29 th April, 2025	C. H. Su	C. H. Su
Certificate No. : TPI25082-1			

* This certificate must be read in conjunction with the test report No. T114003012-2 of MIRDC.

** This certificate is subject to the terms of Bureau Veritas General Conditions of Service attached to the agreement signed by the applicant.

