



**American
Petroleum
Institute**



2018-151 | Digital

Certificate of Authority to use the Official API Monogram

License Number: 6D-1020

ORIGINAL

The American Petroleum Institute hereby grants to

ONERO VALVE GROUP CO., LTD.
Fengyu Village, Huangtian Street, Yongjia County
Wenzhou, Zhejiang
People's Republic of China

the right to use the Official API Monogram® on manufactured products under the conditions in the official publications of the American Petroleum Institute entitled API Spec Q1® and **API-6D** and in accordance with the provisions of the License Agreement.

In all cases where the Official API Monogram is applied, the API Monogram shall be used in conjunction with this certificate number: **6D-1020**

The American Petroleum Institute reserves the right to revoke this authorization to use the Official API Monogram for any reason satisfactory to the Board of Directors of the American Petroleum Institute.

The scope of this license includes the following: Check Valves, Ball Valves, Gate Valves

QMS Exclusions: No Exclusions Identified as Applicable

Effective Date: FEBRUARY 3, 2023
Expiration Date: FEBRUARY 28, 2026

To verify the authenticity of this license, go to www.api.org/compositelist.

Anchal Liddar

Senior Vice President of Global Industry Services



Industrie Service

CERTIFICATE

The Certification Body of
TÜV SÜD Industrie Service GmbH,
a Notified Body of the Pressure Equipment Directive (PED),

certifies that

Onero Valve Group Co., Ltd.
Fengyu Village, Huangtian Street, Yongjia County,
PC: 325101, Wenzhou City, Zhejiang Province, P. R. China

implemented, operates and maintains a quality
assurance system as described in the Pressure Equipment
Directive 2014/68/EU Annex III, Module H

for the scope of

Design, construction, manufacturing and sales of
gate valves (max. DN600, max. PN420)
check valves (max. DN600, max. PN420)
ball valves (max. DN1000, max. PN420)
globe valves (max. DN600, max. PN420)
control valves (max. DN600, max. PN420)

The audit with the report number Q-CHN-PED-5010722244-001-23
proves that the quality assurance system fulfils the PED requirements.

The manufacturer is authorized to provide the pressure equipment
produced within the scope of the assessed quality assurance system with
the following Notified Body Number:

CE 0036

Certificate No.: DGR-0036-QS-1332-23

valid until June 18th, 2026
provided that annual surveillance audits have been performed successfully

Filderstadt, October 17th, 2023

TÜV SÜD Industrie Service GmbH
Westendstraße 199
80686 München
Germany
www.tuvsud.com/de-is

M. John
Martina John

Notified Body No.: 0036

Tel.: +49 711 70 05 289
Fax: +49 711 70 05 582
e-mail: martina.john@tuvsud.com

Certificate Registration No.: **12 100 59042 TMS** / Order No.: **7482232134**

certifies that the organization

Unified social credit code: 91330324MA29A7D805

for the scope

Design, Manufacturing and Sales of Steel Ball Valves for Petroleum, Petrochemical and Allied Industries, Gate Valves, Check Valves and Globe Valves

has established and applies a Quality Management System.

An audit was performed and has furnished proof that the requirements according to

DIN EN ISO 9001:2015

are fulfilled.

The certificate is valid from **2023-09-13** until **2025-11-25**.

The certified organization shall undergo and pass the regular surveillance audit to maintain the validity of this certificate.

Information about this certificate can be inquired at the official website
of Certification and Accreditation Administration of the People's Republic of China (www.cnca.gov.cn).

Fred Wenke
Head of Certification Body
Munich, 2023-09-14





ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE

This is to certify that the Environmental Management System of

ONERO VALVE GROUP CO., LTD

Certificate for Uniform Social Credit Code: 91330324MA29A7D805

Registration Address: Fengyu Village, Huangtian Street, Yongjia County, Wenzhou city,
Zhejiang Province P. C: 325101

Business Address: ShuiMen Road, Fengyu Village, Huangtian Street, Yongjia County,
Wenzhou city, Zhejiang Province P. C: 325101

is in conformity with
GB/T 24001-2016 idt ISO 14001:2015 Standard

The certificate is valid to the following product(s)/service (IAF Code:18)

The environmental management activities involved by design and produce valves (excluding
the scope of qualification permission) and places

Certificate No: 58222E00003R0S

Issue Date: 2023-08-18

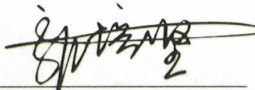
Initial date: 2022-06-09

Valid Date: 2025-06-08

The certificate is valid within the term of validity of all administrative and qualification licenses subject to
the regulation of the People's Republic of China

During the validity period of the certificate, the certified organization shall be supervised and audited at least once
a year, The time interval between each supervision audit and the last on-site audit shall not exceed 12 months, and
the certificate shall be valid after the annual supervision is considered as qualified




Issued By



This certificate is issued by Zhejiang Zhonghong Certification Co., Ltd. 1) The scope of this
certification shall be used in conjunction with the relevant valid legal and regulatory
requirements, including but not limited to the requirements for various administrative
licenses and scope of qualification stipulated by the state; 2) Please scan the QR code or
access www.zgzhonghong.com to checking validity of the certificate. Certificate relevant
information is also available at CNCA official website www.cnca.gov.cn.

Zhejiang Zhonghong Certification Co., Ltd.

Room 1015, No. 4159, Airport Avenue, Puzhou Street, Longwan District, Wenzhou city, Zhejiang province, China



OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATE

This is to certify that the Occupational Health and Safety Management System of

ONERO VALVE GROUP CO., LTD

Certificate for Uniform Social Credit Code: 91330324MA29A7D805

Registration Address: Fengyu Village, Huangtian Street, Yongjia County, Wenzhou city,
Zhejiang Province P.C: 325101

Business Address: ShuiMen Road, Fengyu Village, Huangtian Street, Yongjia County,
Wenzhou city, Zhejiang Province P.C: 325101

is in conformity with
GB/T 45001-2020/ISO 45001:2018 Standard

The certificate is valid to the following product(s)/service (IAF Code:18)

The occupational health and safety management activities involved by design and produce
valves (excluding the scope of qualification permission) and places

Certificate No: 58222S00003R0S

Issue Date: 2023-08-18

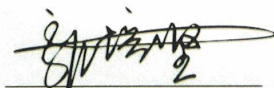
Initial date: 2022-06-09

Valid Date: 2025-06-08

The certificate is valid within the term of validity of all administrative and qualification licenses subject to
the regulation of the People's Republic of China

During the validity period of the certificate, the certified organization shall be supervised and audited at least once
a year, The time interval between each supervision audit and the last on-site audit shall not exceed 12 months, and
the certificate shall be valid after the annual supervision is considered as qualified




Issued By



Zhejiang Zhonghong
Certification Co., Ltd.



This certificate is issued by Zhejiang Zhonghong Certification Co., Ltd. 1) The scope of this
certification shall be used in conjunction with the relevant valid legal and regulatory
requirements, including but not limited to the requirements for various administrative
licenses and scope of qualification stipulated by the state; 2) Please scan the QR code or
access www.zgzhonghong.com to check validity of the certificate. Certificate relevant
information is also available at CNCA official website www.cnca.gov.cn.

Zhejiang Zhonghong Certification Co., Ltd.

Room 1015, No. 4159, Airport Avenue, Puzhou Street, Longwan District, Wenzhou city, Zhejiang province, China



CERTIFICATE

(Certificate of conformity with technical requirements in:)
API STANDARD 607 SEVENTH EDITION, JUNE 2016

Certificate No.:258271 Rev.1

Ref. Test report No.:258272 Rev.1

Name and postal address of manufacturer: Onero Valve Group Co., Ltd.
Dongou Industrial Zone, Oubei Street, Yongjia County,
(Zhejiang Huitong Valve Manufacturing Co., Ltd. Inner),
PC:325102, Wenzhou City, Zhejiang Province, P. R. China

We hereby certify that the fire test on below valves have been conducted at the laboratory designated by manufacturer and witnessed by TÜV SÜD inspector according to requirements of API STANDARD 607 SEVENTH EDITION, JUNE 2016. The testing results of valves meet the requirements of API STANDARD 607 SEVENTH EDITION, JUNE 2016.

1. Description of Test Valve :

Type of Test Valve	Q41F-CL150 NPS2 Ball Valve
Description of Test Valve	Ball Valve
Valve Size (NPS)	2"
Pressure Rating (Class)	Class 150
Valve Body Material	ASTM A105

2. Qualified Range of Valves :

Type	Ball Valves
Description of Valves	Ball Valves
Qualified Sizes (NPS) (according to API 607 Table 3)	2" and below, 2 1/2", 3", 4"
Qualified Pressure Ratings(Class: Lb) (according to API 607 Table 4)	Class150, Class 300
Qualified Valve Material (according to API 607 7.2)	Ferritic
Remark: the technical data of tested valves see back of this certificate appendix 1.	

This certificate is issued according to API STANDARD 607 SEVENTH EDITION, JUNE 2016, based upon the result of testing report on above mentioned test valve. The additional valve qualification shall be limited on similar valves of same basic design and construction as the test valves and of the same nonmetallic materials as the test valve in the seat-to-closure member seal, seat-to-body seal, stem seal, and body joint and seal according to API STANDARD 607 SEVENTH EDITION, JUNE 2016, Paragraph 7.

Shanghai, January 21, 2020
(Place, date)


 Guilin Chen
 TÜV SÜD Industrie Service GmbH
 Westendstr.199
 80686 München Germany



Industrie Service

CERTIFICATE

(Certificate of conformity with technical requirements in:)
ANSI/API STD 607 Sixth Edition, September 2010

Certificate No.:247359 Rev.1

Ref. Test report No.:247360 Rev.1

Name and postal address of manufacturer: Onero Valve Group Co., Ltd.
Dongou Industrial Zone, Oubei Street, Yongjia County,
(Zhejiang Huitong Valve Manufacturing Co., Ltd. Inner),
PC:325102, Wenzhou City, Zhejiang Province, P. R. China

We hereby certify that the fire test on below valves have been conducted at the laboratory designated by manufacturer and witnessed by TÜV SÜD inspector according to requirements of ANSI/API STD 607 Sixth Edition, September 2010. The testing results of valves meet the requirements of ANSI/API STD 607 Sixth Edition, September 2010.

1. Description of Test Valve :

Type of Test Valve	2"Q41F-150Lb Cast Steel Floating Ball Valve
Description of Test Valve	Ball Valve
Valve Size (NPS)	2"
Pressure Rating (Class)	Class 150
Valve Body Material	ASTM A216 WCB

2. Qualified Range of Valves :

Type	Ball Valves
Description of Valves	Ball Valves
Qualified Sizes (NPS) (according to API 607 Table 3)	2" and below, 2½ ",3",4"
Qualified Pressure Ratings(Class) (according to API 607 Table 5)	Class150,Class 300(PN10,PN16,PN25,PN40)
Qualified Valve Material (according to API 607 7.2)	Ferritic
Remark: the technical data of tested valves see back of this certificate appendix 1.	

This certificate is issued according to ANSI/API STD 607 Sixth Edition, September 2010, based upon the result of testing report on above mentioned test valve. The additional valve qualification shall be limited on similar valves of same basic design and construction as the test valves and of the same nonmetallic materials as the test valve in the seat-to-closure member seal, seat-to-body seal, stem seal, and body joint and seal according to ANSI/API STD 607 Sixth Edition, September 2010, Paragraph 7.

Shanghai, January 21, 2020
(Place, date)


Guillin Chen
TÜV SÜD Industrie Service GmbH
Westendstr.199
80686 München Germany



Industrie Service

CERTIFICATE

(Certificate of conformity with technical requirements in:)
API STANDARD 607 SEVENTH EDITION, JUNE 2016

Certificate No.: 258275 Rev.1

Ref. Test report No.: 258276 Rev.1

Name and postal address of manufacturer: Onero Valve Group Co., Ltd.
Dongou Industrial Zone, Oubei Street, Yongjia County,
(Zhejiang Huitong Valve Manufacturing Co., Ltd. Inner),
PC:325102, Wenzhou City, Zhejiang Province, P. R. China

We hereby certify that the fire test on below valves have been conducted at the laboratory designated by manufacturer and witnessed by TÜV SÜD inspector according to requirements of API STANDARD 607 SEVENTH EDITION, JUNE 2016. The testing results of valves meet the requirements of API STANDARD 607 SEVENTH EDITION, JUNE 2016.

1. Description of Test Valve :

Type of Test Valve	Q347F-CL150 NPS4 Ball Valve
Description of Test Valve	Ball Valve
Valve Size (NPS)	4"
Pressure Rating (Class)	Class 150
Valve Body Material	ASTM A105

2. Qualified Range of Valves :

Type	Ball Valves
Description of Valves	Ball Valves
Qualified Sizes (NPS) (according to API 607 Table 3)	4",5",6",8"
Qualified Pressure Ratings(Class: Lb) (according to API 607 Table 4)	Class150, Class 300
Qualified Valve Material (according to API 607 7.2)	Ferritic
Remark: the technical data of tested valves see back of this certificate appendix 1.	

This certificate is issued according to API STANDARD 607 SEVENTH EDITION, JUNE 2016, based upon the result of testing report on above mentioned test valve. The additional valve qualification shall be limited on similar valves of same basic design and construction as the test valves and of the same nonmetallic materials as the test valve in the seat-to-closure member seal, seat-to-body seal, stem seal, and body joint and seal according to API STANDARD 607 SEVENTH EDITION, JUNE 2016, Paragraph 7.

Shanghai, January 21, 2020
(Place, date)

Chen Guilin
Guilin Chen

TÜV SÜD Industrie Service GmbH

Westendstr.199
80686 München Germany



Industrie Service

CERTIFICATE

(Certificate of conformity with technical requirements in:)
ANSI/API STD 607 Sixth Edition, September 2010

Certificate No.:247361 Rev.1

Ref. Test report No.:247362 Rev.1

Name and postal address of manufacturer: Onero Valve Group Co., Ltd.
Dongou Industrial Zone, Oubei Street, Yongjia County,
(Zhejiang Huitong Valve Manufacturing Co., Ltd. Inner),
PC:325102, Wenzhou City, Zhejiang Province, P. R. China

We hereby certify that the fire test on below valves have been conducted at the laboratory designated by manufacturer and witnessed by TÜV SÜD inspector according to requirements of ANSI/API STD 607 Sixth Edition, September 2010. The testing results of valves meet the requirements of ANSI/API STD 607 Sixth Edition, September 2010.

1. Description of Test Valve :

Type of Test Valve	6"Q41F-150Lb Cast Steel Floating Ball Valve
Description of Test Valve	Ball Valve
Valve Size (NPS)	6"
Pressure Rating (Class)	Class 150
Valve Body Material	ASTM A216 WCB

2. Qualified Range of Valves :

Type	Ball Valves
Description of Valves	Ball Valves
Qualified Sizes (NPS) (according to API 607 Table 3)	6", 8", 10", 12"
Qualified Pressure Ratings(Class) (according to API 607 Table 5)	Class150, Class 300(PN10, PN16, PN25, PN40)
Qualified Valve Material (according to API 607 7.2)	Ferritic
Remark: the technical data of tested valves see back of this certificate appendix 1.	

This certificate is issued according to ANSI/API STD 607 Sixth Edition, September 2010, based upon the result of testing report on above mentioned test valve. The additional valve qualification shall be limited on similar valves of same basic design and construction as the test valves and of the same nonmetallic materials as the test valve in the seat-to-closure member seal, seat-to-body seal, stem seal, and body joint and seal according to ANSI/API STD 607 Sixth Edition, September 2010, Paragraph 7.

Shanghai, January 21, 2020
(Place, date)

GuNin Chen
TÜV SÜD Industrie Service GmbH
Westendstr.199
80686 München Germany



Industrie Service

CERTIFICATE

(Certificate of conformity with technical requirements in:)
ANSI/API STD 607 Sixth Edition, September 2010

Certificate No.:247363 Rev.1

Ref. Test report No.:247364 Rev.1

Name and postal address of manufacturer: Onero Valve Group Co., Ltd.
Dongou Industrial Zone, Oubei Street, Yongjia County,
(Zhejiang Huitong Valve Manufacturing Co., Ltd. Inner),
PC:325102, Wenzhou City, Zhejiang Province, P. R. China

We hereby certify that the fire test on below valves have been conducted at the laboratory designated by manufacturer and witnessed by TÜV SÜD inspector according to requirements of ANSI/API STD 607 Sixth Edition, September 2010. The testing results of valves meet the requirements of ANSI/API STD 607 Sixth Edition, September 2010.

1. Description of Test Valve :

Type of Test Valve	8"Q347F-150Lb Forged Steel Trunnion Mounted Ball Valve
Description of Test Valve	Ball Valve
Valve Size (NPS)	8"
Pressure Rating (Class)	Class 150
Valve Body Material	ASTM A105

2. Qualified Range of Valves :

Type	Ball Valves
Description of Valves	Ball Valves
Qualified Sizes (NPS) (according to API 607 Table 3)	8"and larger
Qualified Pressure Ratings(Class) (according to API 607 Table 5)	Class150,Class 300(PN10,PN16,PN25,PN40)
Qualified Valve Material (according to API 607 7.2)	Ferritic
Remark: the technical data of tested valves see back of this certificate appendix 1.	

This certificate is issued according to ANSI/API STD 607 Sixth Edition, September 2010, based upon the result of testing report on above mentioned test valve. The additional valve qualification shall be limited on similar valves of same basic design and construction as the test valves and of the same nonmetallic materials as the test valve in the seat-to-closure member seal, seat-to-body seal, stem seal, and body joint and seal according to ANSI/API STD 607 Sixth Edition, September 2010, Paragraph 7.

Shanghai, January 21, 2020
(Place, date)


Guilin Chen

TÜV SÜD Industrie Service GmbH

Westendstr.199
80686 München Germany



CERTIFICATE

(Certificate of conformity with technical requirements in:)
API STANDARD 607 SEVENTH EDITION, JUNE 2016

Certificate No.:258273 Rev.1

Ref. Test report No.:258274 Rev.1

Name and postal address of manufacturer: Onero Valve Group Co., Ltd.
Dongou Industrial Zone, Oubei Street, Yongjia County,
(Zhejiang Huitong Valve Manufacturing Co., Ltd. Inner),
PC:325102, Wenzhou City, Zhejiang Province, P. R. China

We hereby certify that the fire test on below valves have been conducted at the laboratory designated by manufacturer and witnessed by TÜV SÜD inspector according to requirements of API STANDARD 607 SEVENTH EDITION, JUNE 2016. The testing results of valves meet the requirements of API STANDARD 607 SEVENTH EDITION, JUNE 2016.

1. Description of Test Valve :

Type of Test Valve	Q41F-CL600 NPS2 Ball Valve
Description of Test Valve	Ball Valve
Valve Size (NPS)	2"
Pressure Rating (Class)	Class 600
Valve Body Material	ASTM A105

2. Qualified Range of Valves :

Type	Ball Valves
Description of Valves	Ball Valves
Qualified Sizes (NPS) (according to API 607 Table 3)	2" and below, 2 1/2", 3", 4"
Qualified Pressure Ratings(Class: Lb) (according to API 607 Table 4)	Class 600, Class 800, Class 900
Qualified Valve Material (according to API 607 7.2)	Ferritic
Remark: the technical data of tested valves see back of this certificate appendix 1.	

This certificate is issued according to API STANDARD 607 SEVENTH EDITION, JUNE 2016, based upon the result of testing report on above mentioned test valve. The additional valve qualification shall be limited on similar valves of same basic design and construction as the test valves and of the same nonmetallic materials as the test valve in the seat-to-closure member seal, seat-to-body seal, stem seal, and body joint and seal according to API STANDARD 607 SEVENTH EDITION, JUNE 2016, Paragraph 7.

Shanghai, January 21, 2020
(Place, date)



Guilin Chen
TÜV SÜD Industrie Service GmbH
Westendstr.199
80686 München Germany



Industrie Service

(Certificate of conformity with technical requirements in:)
ANSI/API STD 607 Sixth Edition, September 2010

Certificate No.:247763 Rev.1

Ref. Test report No.:247764 Rev.1

Name and postal address of manufacturer: Onero Valve Group Co., Ltd.
Dongou Industrial Zone, Oubei Street, Yongjia County,
(Zhejiang Huitong Valve Manufacturing Co., Ltd. Inner),
PC:325102, Wenzhou City, Zhejiang Province, P. R. China

We hereby certify that the fire test on below valves have been conducted at the laboratory designated by manufacturer and witnessed by TÜV SÜD inspector according to requirements of ANSI/API STD 607 Sixth Edition, September 2010. The testing results of valves meet the requirements of ANSI/API STD 607 Sixth Edition, September 2010.

1. Description of Test Valve :

Type of Test Valve	6"Q347F-600Lb Cast Steel Trunnion Ball Valve
Description of Test Valve	Ball Valve
Valve Size (NPS)	6"
Pressure Rating (Class)	Class 600
Valve Body Material	ASTM A216 WCB

2. Qualified Range of Valves :

Type	Ball Valves
Description of Valves	Ball Valves
Qualified Sizes (NPS) (according to API 607 Table 3)	6", 8", 10", 12"
Qualified Pressure Ratings(Class) (according to API 607 Table 5)	Class600, Class 800, Class 900 (PN100, PN150)
Qualified Valve Material (according to API 607 7.2)	Ferritic
Remark: the technical data of tested valves see back of this certificate appendix 1.	

This certificate is issued according to ANSI/API STD 607 Sixth Edition, September 2010, based up-on the result of testing report on above mentioned test valve. The additional valve qualification shall be limited on similar valves of same basic design and construction as the test valves and of the same nonmetallic materials as the test valve in the seat-to-closure member seal, seat-to-body seal, stem seal, and body joint and seal according to ANSI/API STD 607 Sixth Edition, September 2010, Paragraph 7.

Shanghai, January 21, 2020
(Place, date)


Guilin Chen
TÜV SÜD Industrie Service GmbH
Westendstr.199
80686 München Germany



CERTIFICATE

(Certificate of conformity with technical requirements in:)
ANSI/API STD 607 Sixth Edition, September 2010

Certificate No.:247367 Rev.1

Ref. Test report No.:247368 Rev.1

Name and postal address of manufacturer: Onero Valve Group Co., Ltd.
Dongou Industrial Zone, Oubei Street, Yongjia County,
(Zhejiang Huitong Valve Manufacturing Co., Ltd. Inner),
PC:325102, Wenzhou City, Zhejiang Province, P. R. China

We hereby certify that the fire test on below valves have been conducted at the laboratory designated by manufacturer and witnessed by TÜV SÜD inspector according to requirements of ANSI/API STD 607 Sixth Edition, September 2010. The testing results of valves meet the requirements of ANSI/API STD 607 Sixth Edition, September 2010.

1. Description of Test Valve :

Type of Test Valve	8"Q347N-600Lb Forged Steel Trunnion Mounted Ball Valve
Description of Test Valve	Ball Valve
Valve Size (NPS)	8"
Pressure Rating (Class)	Class 600
Valve Body Material	ASTM A105

2. Qualified Range of Valves :

Type	Ball Valves
Description of Valves	Ball Valves
Qualified Sizes (NPS) (according to API 607 Table 3)	8"and larger
Qualified Pressure Ratings(Class) (according to API 607 Table 5)	Class600,Class 800,Class 900 (PN100,PN150)
Qualified Valve Material (according to API 607 7.2)	Ferritic
Remark: the technical data of tested valves see back of this certificate appendix 1.	

This certificate is issued according to ANSI/API STD 607 Sixth Edition, September 2010, based up- on the result of testing report on above mentioned test valve. The additional valve qualification shall be limited on similar valves of same basic design and construction as the test valves and of the same nonmetallic materials as the test valve in the seat-to-closure member seal, seat-to-body seal, stem seal, and body joint and seal according to ANSI/API STD 607 Sixth Edition, September 2010, Paragraph 7.

Shanghai, January 21, 2020
(Place, date)


 Guilin Chen
 TÜV SÜD Industrie Service GmbH
 Westendstr.199
 80686 München Germany



CERTIFICATE

(Certificate of conformity with technical requirements in:)
ANSI/API STD 607 Sixth Edition, September 2010

Certificate No.:247369 Rev.1

Ref. Test report No.:247370 Rev.1

Name and postal address of manufacturer: Onero Valve Group Co., Ltd.
Dongou Industrial Zone, Oubei Street, Yongjia County,
(Zhejiang Huitong Valve Manufacturing Co., Ltd. Inner),
PC:325102, Wenzhou City, Zhejiang Province, P. R. China

We hereby certify that the fire test on below valves have been conducted at the laboratory designated by manufacturer and witnessed by TÜV SÜD inspector according to requirements of ANSI/API STD 607 Sixth Edition, September 2010. The testing results of valves meet the requirements of ANSI/API STD 607 Sixth Edition, September 2010.

1. Description of Test Valve :

Type of Test Valve	8"Q347N-600Lb Cast Steel Trunnion Ball Valve
Description of Test Valve	Ball Valve
Valve Size (NPS)	8"
Pressure Rating (Class)	Class 600
Valve Body Material	ASTM A216 WCB

2. Qualified Range of Valves :

Type	Ball Valves
Description of Valves	Ball Valves
Qualified Sizes (NPS) (according to API 607 Table 3)	8"and larger
Qualified Pressure Ratings(Class) (according to API 607 Table 5)	Class600,Class 800,Class 900 (PN100,PN150)
Qualified Valve Material (according to API 607 7.2)	Ferritic
Remark: the technical data of tested valves see back of this certificate appendix 1.	

This certificate is issued according to ANSI/API STD 607 Sixth Edition, September 2010, based upon the result of testing report on above mentioned test valve. The additional valve qualification shall be limited on similar valves of same basic design and construction as the test valves and of the same nonmetallic materials as the test valve in the seat-to-closure member seal, seat-to-body seal, stem seal, and body joint and seal according to ANSI/API STD 607 Sixth Edition, September 2010, Paragraph 7.

Shanghai, January 21, 2020
(Place, date)


 Guilin Chen
 TÜV SÜD Industrie Service GmbH
 Westendstr.199
 80686 München Germany