



# CERTIFICATE

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

Certificate No.:219701

Ref. Test report No :219702

**Name and postal address of manufacturer: Arita New Valve (Huangshan) Co., Ltd.**  
**Shexian Economic Development Zone,**  
**Huangshan City, PC: 245200, Anhui 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"-150Lb
Description of Test Valve	Floating Ball Valve
Valve Size (NPS)	2"
Pressure Rating ( Class )	Class 150
Valve Body Material	ASTM A216 WCB

**2. Qualified Range of Valves :**

Type	2"-150Lb Ball Valve
Description of Valves	Ball Valves
Qualified Pressure Ratings <i>( according to API 607 Table 3 )</i>	2" and below; 2 <sup>1</sup> / <sub>2</sub> "; 3"; 4"
Qualified Sizes <i>( according to API 607 Table 5 )</i>	Class150,class 300(PN10,PN16,PN25,PN40)
Qualified Valve Material <i>( according to API 607 7.2 )</i>	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, December 20, 2013  
*(Place, date)*

  
**TÜV SÜD Industrie Service GmbH**



Industrie Service

## Appendix 1:

Certificate No.:219701

Ref. Test report No.:219702

Name and postal address of manufacturer: **Arita New Valve (Huangshan) Co., Ltd.**  
**Shexian Economic Development Zone,**  
**Huangshan City, PC: 245200, Anhui Province,**  
**P. R. China**

### Technical Data of Valve

1. Type of Test Valve: 2"-150Lb

2. Description of Test Valve: Floating Ball Valve

3. Details of Valve:

Valves Size ( NPS ) Material Part Name	2"
Body	ASTM A216 WCB
Cap	ASTM A216 WCB
Ball	ASTM A182 F316
Thrust washer	PTFE
Stem	ASTM A182 F316
Gland flange	ASTM A216 WCB
Seat	RPTFE
Bolt	ASTM A193 B7M
Nut	ASTM A194 2HM
Gasket	Graphite
Gland	AISI 1020
Screw	ASTM A193 B7M
Stem Packing	Graphite
Design Drawing No.:	Q41F-150LB 2"-00

Shanghai, December 20 2013

(Place, date)



TÜV SÜD Industrie Service GmbH

TÜV SÜD Industrie Service GmbH  
Shanghai Office  
No.88 Heng Tong Road,  
Shanghai 200070 P. R. China

Tel.: +86 21 6141-0123  
Fax: + 86 21 6140-8600



Industrie Service

# CERTIFICATE

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

Certificate No.:219703

Ref. Test report No :219704

**Name and postal address of manufacturer: Arita New Valve (Huangshan) Co., Ltd.  
 Shexian Economic Development Zone,  
 Huangshan City, PC: 245200, Anhui 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"-600Lb
Description of Test Valve	Floating Ball Valve
Valve Size (NPS)	2"
Pressure Rating ( Class )	Class 600
Valve Body Material	ASTM A216 WCB

**2. Qualified Range of Valves :**

Type	2"-600Lb Ball Valve
Description of Valves	Ball Valves
Qualified Pressure Ratings ( according to API 607 Table 3 )	2" and below; 2 <sup>1</sup> / <sub>2</sub> "; 3"; 4"
Qualified Sizes ( 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, October 23, 2013  
 (Place, date)

  
**TÜV SÜD Industrie Service GmbH**



Industrie Service

## Appendix 1:

Certificate No.:219703

Ref. Test report No.:219704

Name and postal address of manufacturer: **Arita New Valve (Huangshan) Co., Ltd.**  
**Shexian Economic Development Zone,**  
**Huangshan City, PC: 245200, Anhui Province,**  
**P. R. China**

### Technical Data of Valve

1. Type of Test Valve: 2"-600Lb

2. Description of Test Valve: Floating Ball Valve

3. Details of Valve:

Valves Size ( NPS ) Material Part Name	2"
Body	ASTM A216 WCB
Cap	ASTM A216 WCB
Ball	ASTM A182 F316
Gland flange	ASTM A216 WCB
Stem	ASTM A182 F316
Seat	RPTFE
Nut	ASTM A194 2HM
Bolt	ASTM A193 B7M
Stem Packing	Graphite
Gasket	Graphite
Gland	AISI 1020
Stap plate	Q235+Zn
Screw	ASTM A193 B7M
Design Drawing No.:	Q41F-600LB 2"-00

Shanghai, October 23, 2013

(Place, date)



TÜV SÜD Industrie Service GmbH

TÜV SÜD Industrie Service GmbH  
Shanghai Office  
No.88 Heng Tong Road,  
Shanghai 200070 P. R. China

Tel.: +86 21 6141-0123  
Fax: + 86 21 6140-8600



Industrie Service

# CERTIFICATE

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

Certificate No.:219707

Ref. Test report No.:219708

**Name and postal address of manufacturer: Arita New Valve (Huangshan) Co., Ltd.**  
**Shexian Economic Development Zone,**  
**Huangshan City, PC: 245200, Anhui 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	4"-150Lb
Description of Test Valve	Floating Ball Valve
Valve Size (NPS)	4"
Pressure Rating ( Class )	Class 150
Valve Body Material	ASTM A216 WCB

**2. Qualified Range of Valves :**

Type	4"-150Lb Ball Valve
Description of Valves	Ball Valves
Qualified Pressure Ratings ( according to API 607 Table 3 )	4", 5", 6", 8"
Qualified Sizes ( 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, November 28, 2013  
 (Place, date)

  
**TÜV SÜD Industrie Service GmbH**



Industrie Service

## Appendix 1:

Certificate No.:219707

Ref. Test report No.:219708

Name and postal address of manufacturer: **Arita New Valve (Huangshan) Co., Ltd.**  
**Shexian Economic Development Zone,**  
**Huangshan City, PC: 245200, Anhui Province,**  
**P. R. China**

### Technical Data of Valve

1. Type of Test Valve: 4"-150Lb

2. Description of Test Valve: Floating Ball Valve

3. Details of Valve:

Valves Size ( NPS ) Material	4"
Part Name	
Body	ASTM A216 WCB
Cap	ASTM A216 WCB
Ball	ASTM A181 F316
Stem	ASTM A181 F316
Seat	RPTFE
Gasket	Graphite
Thrust washer	PTFE
Nut	ASTM A194 2HM
Bolt	ASTM A193 B7M
Screw	ASTM A193 B7M
Gland Flange	ASTM A216 WCB
Packing	Graphite
Gland	AISI 1020
Design Drawing No.:	Q41F-150LB 4"-00

Shanghai, November 28, 2013

(Place, date)



TÜV SÜD Industrie Service GmbH

TÜV SÜD Industrie Service GmbH  
Shanghai Office  
No.88 Heng Tong Road,  
Shanghai 200070 P. R. China

Tel.: +86 21 6141-0123  
Fax: + 86 21 6140-8600



Industrie Service

# CERTIFICATE

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

Certificate No.:218715

Ref. Test report No :218714

**Name and postal address of manufacturer: Arita New Valve (Huangshan) Co., Ltd.**  
**Shexian Economic Development Zone,**  
**Huangshan City, PC: 245200, Anhui 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.

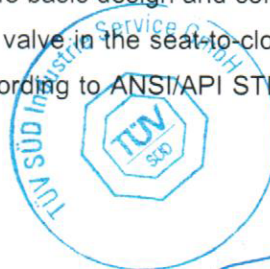
**1. Description of Test Valve :**

Type of Test Valve	2"-150Lb
Description of Test Valve	Trunnion mounted ball Valve
Valve Size (NPS)	2"
Pressure Rating ( Class )	Class 150
Valve Body Material	ASTM A105

**2. Qualified Range of Valves :**

Type	2"-150Lb
Description of Valves	Ball Valves
Qualified Pressure Ratings ( according to API 607 Table 3 )	2" and below; 2 <sup>1</sup> / <sub>2</sub> "; 3"; 4"
Qualified Sizes ( 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.



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 TÜV SÜD Industrie Service GmbH

**Shanghai, September 25, 2013**  
 (Place, date)



Industrie Service

**Appendix 1:**

**Certificate No.:218715**

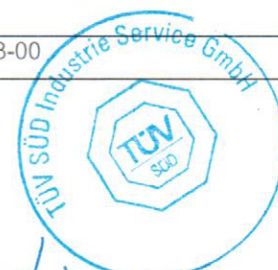
**Ref. Test report No.:218714**

**Name and postal address of manufacturer: Arita New Valve (Huangshan) Co., Ltd.  
Shexian Economic Development Zone,  
Huangshan City, PC: 245200, Anhui Province,  
P. R. China**

**Technical Data of Valve**

- 1. Type of Test Valve: 2"-150Lb
- 2. Description of Test Valve: Trunnion mounted ball Valve
- 3. Details of Valve:

Valves Size ( NPS ) Material	2"
Part Name	
Body	ASTM A105
Cap	ASTM A105
Ball	ASTM A182 F304
Backseat	ASTM A182 F304
Stem	ASTM A182 F304
Seat ring	ASTM A182 F304
Seat	RPTFE
Stud	ASTM A193 B7
Nut	ASTM A194 2H
Gasket	Graphite
Bolt	ASTM A193 B7
Spring	INCONEL X-750
Stem Packing	Graphite
Design Drawing No.:	2"-150LB-ANV-2013-00



**Shanghai, September 25, 2013**

*(Place, date)*

**TÜV SÜD Industrie Service GmbH**

TÜV SÜD Industrie Service GmbH  
Shanghai Office  
No.88 Heng Tong Road,  
Shanghai 200070 P. R. China

Tel.: +86 21 6141-0123  
Fax: + 86 21 6140-8600





Industrie Service

# CERTIFICATE

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

Certificate No.:219705

Ref. Test report No :219706

**Name and postal address of manufacturer: Arita New Valve (Huangshan) Co., Ltd.**  
**Shexian Economic Development Zone,**  
**Huangshan City, PC: 245200, Anhui 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"-600Lb
Description of Test Valve	Trunnion Mounted Ball Valve
Valve Size (NPS)	2"
Pressure Rating ( Class )	Class 600
Valve Body Material	ASTM A105

**2. Qualified Range of Valves :**

Type	2"-600Lb Ball Valve
Description of Valves	Ball Valves
Qualified Pressure Ratings ( according to API 607 Table 3 )	2" and below; 2 <sup>1</sup> / <sub>2</sub> "; 3"; 4"
Qualified Sizes ( 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, October 22, 2013  
 (Place, date)

  
**TÜV SÜD Industrie Service GmbH**



Industrie Service

## Appendix 1:

Certificate No.:219705

Ref. Test report No.:219706

Name and postal address of manufacturer: **Arita New Valve (Huangshan) Co., Ltd.**  
**Shexian Economic Development Zone,**  
**Huangshan City, PC: 245200, Anhui Province,**  
**P. R. China**

### Technical Data of Valve

1. Type of Test Valve: 2"-600Lb

2. Description of Test Valve: Trunnion Mounted Ball Valve

3. Details of Valve:

Valves Size ( NPS ) Material Part Name	2"
Body	ASTM A105
Cap	ASTM A105
Ball	ASTM A182 F316
Backseat	ASTM A182 F316
Stem	ASTM A182 F316
Seat	ASTM A182 F316
Seat ring	RPTFE
Bolt	ASTM A193 B7
Stem Packing	Graphite
Gasket	Graphite
Low Trunnion	ASTM A105
Spring	INCONEL X-750
Heavy nut	ASTM A194 2HM
Design Drawing No.:	Q47F-600LB 2"-00

Shanghai, October 22, 2013

(Place, date)



**TÜV SÜD Industrie Service GmbH**

TÜV SÜD Industrie Service GmbH  
Shanghai Office  
No.88 Heng Tong Road,  
Shanghai 200070 P. R. China

Tel.: +86 21 6141-0123  
Fax: + 86 21 6140-8600



Industrie Service

# CERTIFICATE

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

Certificate No.:218717

Ref. Test report No.:218716

**Name and postal address of manufacturer: Arita New Valve (Huangshan) Co., Ltd.**  
**Shexian Economic Development Zone,**  
**Huangshan City, PC: 245200, Anhui 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.

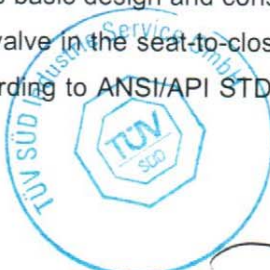
**1. Description of Test Valve :**

Type of Test Valve	3"-150Lb
Description of Test Valve	Trunnion mounted ball valve
Valve Size (NPS)	3"
Pressure Rating ( Class )	Class 150
Valve Body Material	ASTM A105

**2. Qualified Range of Valves :**

Type	3"-150Lb
Description of Valves	Ball Valves
Qualified Pressure Ratings ( according to API 607 Table 3 )	3"; 4"; 5"; 6"
Qualified Sizes ( 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, September 25, 2013  
 (Place, date)

TÜV SÜD Industrie Service GmbH



Industrie Service

**Appendix 1:**

**Certificate No.:218717**

**Ref. Test report No.:218716**

**Name and postal address of manufacturer: Arita New Valve (Huangshan) Co., Ltd.  
Shexian Economic Development Zone,  
Huangshan City, PC: 245200, Anhui Province,  
P. R. China**

**Technical Data of Valve**

- 1. **Type of Test Valve:** 3"-150Lb
- 2. **Description of Test Valve:** Trunnion mounted ball valve
- 3. **Details of Valve:**

Valves Size ( NPS ) Material	3"
Part Name	
Body	ASTM A105
Cap	ASTM A105
Ball	ASTM A182 F304
Backseat	ASTM A182 F304
Stem	ASTM A182 F304
Seat ring	ASTM A182 F304
Seat	RPTFE
Stud	ASTM A193 B7
Nut	ASTM A194 2H
Gasket	Graphite
Bolt	ASTM A193 B7
Spring	INCONEL X-750
Stem Packing	Graphite
Design Drawing No.:	3"-150LB-ANV-2013-00

**Shanghai, September 25, 2013**  
(Place, date)

  
**TÜV SÜD Industrie Service GmbH**



TÜV SÜD Industrie Service GmbH  
Shanghai Office  
No.88 Heng Tong Road,  
Shanghai 200070 P. R. China

Tel.: +86 21 6141-0123  
Fax: + 86 21 6140-8600



Industrie Service

# CERTIFICATE

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

Certificate No.: 216950

Ref. Test report No.: 216951

**Name and postal address of manufacturer: ARITA NEW VALVE (HUANGSHAN) CO., LTD.**  
**Shexian Economic Development Zone, Huangshan,**  
**Anhui, 245200, 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 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 :**

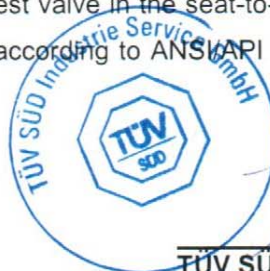
Type of Test Valve	3"-600LB-ANV-2013-00
Description of Test Valve	3-PC Forging Trunnion Ball Valve
Valve Size, NPS	3"
Pressure Rating ( ANSI Class )	600
Valve Body Material	ASTM A105

**2. Qualified Range of Valves :**

Type	3"-600LB-ANV-2013-00
Description of Valves	3-PC Trunnion Ball Valves
Qualified Pressure Ratings ( Class: Lb ) <i>( according to API 607 Table 5 )</i>	600; 800; 900
Qualified Sizes ( NPS ) <i>( according to API 607 Table 3 )</i>	3"; 4"; 5"; 6"
Qualified Valve Material <i>( according to API 607 7.2 )</i>	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, May 15, 2013  
*(Place, date)*



TÜV SUD Industrie Service GmbH



Industrie Service

**Appendix 1:**

Certificate No.: 216950

Ref. Test report No.: 216951

Name and postal address of manufacturer: **ARITA NEW VALVE (HUANGSHAN) CO., LTD.**  
Shexian Economic Development Zone, Huangshan,  
Anhui, 245200, P. R. China

**Technical Data of Valve**

- 1. Type of Test Valve: 3"-600LB-ANV-2013-00
- 2. Description of Test Valve: 3-PC Forging Trunnion Ball Valve
- 3. Details of Valve:

Valves Size ( NPS ) Material Part Name	3"
Body	ASTM A105
Cap	ASTM A105
Ball	ASTM A182 F304
Seat Ring	RPTFE
Seat	ASTM A182 F304
Fire Safe Gasket	Graphite
Spring	INCONEL X-750
Stem	ASTM A182 F304
Thrust Washer	PTFE
Packing	Graphite
Gland Flange	ASTM A105
Body Gasket	Graphite
Body Bolts	ASTM A193 B7
Hex. Nuts	ASTM A194 2H
Design Drawing No.:	3"-600LB-ANV-2013-00

**Shanghai, May 15, 2013**  
(Place, date)

  
**TÜV SÜD Industrie Service GmbH**



TÜV SÜD Industrie Service GmbH  
Shanghai Office  
No.88 Heng Tong Road,  
Shanghai 200070 P. R. China

Tel.: +86 21 6141-0123  
Fax: + 86 21 6140-8600