



# CERTIFICATE

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

Certificate No.:226035

Ref. Test report No.:226034

**Name and postal address of manufacturer: SUFA Technology Industry Co., Ltd. CNNC**  
**No. 501, Zhujiang Road, New District, Suzhou City,**  
**PC: 215000, Jiangsu 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 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"-1500Lb Ball Valve
Description of Test Valve	Ball Valve
Valve Size, NPS	2"
Pressure Rating ( ANSI Class )	Class 1500
Valve Body Material	ASTM A351 CF8M

**2. Qualified Range of Valves :**

Type	1500Lb
Description of Valves	Ball Valves
Qualified Sizes ( NPS ) ( according to API 607 Table 3)	2" and below, 2½ ",3",4"
Qualified Pressure Ratings( Class: Lb) ( according to API 607 Table 5 )	Class 1500,Class 2500 (PN260,PN420)
Qualified Valve Material ( according to API 607 7.2 )	Austenitic
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, August 31, 2015  
 (Place, date)

**TÜV SÜD Industrie Service GmbH**



Industrie Service

# CERTIFICATE

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

Certificate No.: 216435

Ref. Test report No.: 216434

Name and postal address of manufacturer: **SUFA Technology Industry Co., Ltd. CNNC  
No. 501, Zhujiang Road, New District,  
PC: 215000, Suzhou, 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	2"-1500Lb
Description of Test Valve	Ball Valve
Valve Size, NPS	2"
Pressure Rating ( ANSI Class )	Class 1500
Valve Body Material	ASTM A105

### 2. Qualified Range of Valves :

Type	1500Lb
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 5 )	Class 1500; Class 2500(PN260; PN420)
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, December 26, 2012  
(Place, date)

TÜV SÜD Industrie Service GmbH







Industrie Service

# CERTIFICATE

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

Certificate No.:226031

Ref. Test report No.:226030

**Name and postal address of manufacturer: SUFA Technology Industry Co., Ltd. CNNC**  
**No. 501, Zhujiang Road, New District, Suzhou City,**  
**PC: 215000, Jiangsu 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 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 Ball Valve
Description of Test Valve	Ball Valve
Valve Size (NPS)	2"
Pressure Rating (Class )	Class 150
Valve Body Material	ASTM A351 CF8M

**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: Lb) ( according to API 607 Table 5 )	Class150,Class 300(PN10,PN16,PN25,PN40)
Qualified Valve Material ( according to API 607 7.2 )	Austenitic
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, August 31, 2015  
 (Place, date)

TÜV SÜD Industrie Service GmbH





Industrie Service

# CERTIFICATE

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

Certificate No.: 216431

Ref. Test report No.: 216430

Name and postal address of manufacturer: **SUFA Technology Industry Co., Ltd. CNNC**  
**No. 501, Zhujiang Road, New District,**  
**PC: 215000, Suzhou, 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	2"-150Lb
Description of Test Valve	Ball Valve
Valve Size (NPS)	2"
Pressure Rating (Class )	Class 150
Valve Body Material	ASTM A105

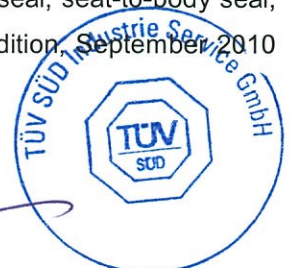
## 2. Qualified Range of Valves :

Type	150Lb
Description of Valves	Ball Valves
Qualified Pressure Ratings( Class: Lb) ( according to API 607 Table 5 )	Class 150, Class 300(PN10, PN16, PN25, PN40)
Qualified Sizes ( NPS ) ( according to API 607 Table 3 )	2 "and below; 2 1/2; 3"; 4"
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, December 26, 2012  
(Place, date)

  
TÜV SÜD Industrie Service GmbH







Industrie Service

# CERTIFICATE

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

Certificate No.:226033

Ref. Test report No.:226032

**Name and postal address of manufacturer: SUFA Technology Industry Co., Ltd. CNNC**  
**No. 501, Zhujiang Road, New District, Suzhou City,**  
**PC: 215000, Jiangu 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 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 Ball Valve
Description of Test Valve	Ball Valve
Valve Size (NPS)	2"
Pressure Rating ( Class )	Class 600
Valve Body Material	ASTM A351 CF8M

**2. Qualified Range of Valves :**

Type	Ball Valves
Description of Valves	Ball Valves
Qualified Pressure Ratings ( according to API 607 Table 3 )	2" and below, 2½ ",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 )	Austenitic
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, August 31, 2015  
 (Place, date)

  
**TÜV SÜD Industrie Service GmbH**



Industrie Service

# CERTIFICATE

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

Certificate No.: 215013

Ref. Test report No.: 215014

Name and postal address of manufacturer: **SUFA Technology Industry Co., Ltd. CNNC**  
**No. 501, Zhujiang Road, New District,**  
**PC: 215000, Suzhou, 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	2"-800Lb
Description of Test Valve	Ball Valve
Valve Size, NPS	2"
Pressure Rating ( ANSI Class )	Class 800
Valve Body Material	ASTM A105

### 2. Qualified Range of Valves :

Type	800Lb
Description of Valves	Ball Valves
Qualified Pressure Ratings ( Class: Lb) ( according to API 607 Table 5 )	800; 900;1500(PN100,PN150,PN260)
Qualified Sizes ( NPS ) ( according to API 607 Table 3 )	2" and below; 2 1/2"; 3"; 4"
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, June 13, 2012  
(Place, date)

TÜV SÜD Industrie Service GmbH



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Industrie Service

# CERTIFICATE

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

Certificate No.:226037

Ref. Test report No.:226036

**Name and postal address of manufacturer: SUFA Technology Industry Co., Ltd. CNNC**  
**No. 501, Zhujiang Road, New District, Suzhou City,**  
**PC: 215000, Jiangsu 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 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 Ball Valve
Description of Test Valve	Ball Valve
Valve Size (NPS)	4"
Pressure Rating (Class )	Class 150
Valve Body Material	ASTM A351 CF8M

**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 5 )	Class150,Class 300(PN10,PN16,PN25,PN40)
Qualified Valve Material ( according to API 607 7.2 )	Austenitic
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, August 31, 2015  
 (Place, date)

  
**TÜV SÜD Industrie Service GmbH**



Industrie Service

# CERTIFICATE

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

Certificate No.: 215015

Ref. Test report No.: 215016

Name and postal address of manufacturer: **SUFA Technology Industry Co., Ltd. CNNC**  
**No. 501, Zhujiang Road, New District,**  
**PC: 215000, Suzhou, 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	4"-150Lb
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	150Lb
Description of Valves	Ball Valves
Qualified Pressure Ratings ( according to API 607 Table 5)	Class 150,Class 300(PN10,PN16,PN25,PN40)
Qualified Sizes ( according to API 607 Table 3 )	4",5",6",8"
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, June 11, 2012  
(Place, date)

TÜV SÜD Industrie Service GmbH



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Industrie Service

# CERTIFICATE

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

Certificate No.:226039

Ref. Test report No.:226038

**Name and postal address of manufacturer: SUFA Technology Industry Co., Ltd. CNNC**  
**No. 501, Zhujiang Road, New District, Suzhou City,**  
**PC: 215000, Jiangsu 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 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"-600Lb Ball Valve
Description of Test Valve	Ball Valve
Valve Size (NPS)	4"
Pressure Rating ( Class )	Class 600
Valve Body Material	ASTM A351 CF8M

**2. Qualified Range of Valves :**

Type	Ball Valves
Description of Valves	Ball Valves
Qualified Pressure Ratings <i>( according to API 607 Table 3 )</i>	4",5",6",8"
Qualified Sizes <i>( according to API 607 Table 5 )</i>	Class600,class 800,class 900(PN100,PN150)
Qualified Valve Material <i>( according to API 607 7.2 )</i>	Austenitic
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, August 31, 2015  
*(Place, date)*

**TÜV SÜD Industrie Service GmbH**



Industrie Service

# CERTIFICATE

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

Certificate No.: 215017

Ref. Test report No.: 215018

Name and postal address of manufacturer: **SUFA Technology Industry Co., Ltd. CNNC**  
**No. 501, Zhujiang Road, New District,**  
**PC: 215000, Suzhou, 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	4"-600Lb
Description of Test Valve	Ball Valve
Valve Size (NPS)	4"
Pressure Rating ( Class )	Class 600
Valve Body Material	ASTM A105

**2. Qualified Range of Valves :**

Type	600Lb
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 )	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, June 12, 2012  
 (Place, date)

  
  
**TÜV SÜD Industrie Service GmbH**





Industrie Service

# CERTIFICATE

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

Certificate No.: 216437

Ref. Test report No.: 216436

Name and postal address of manufacturer: **SUFA Technology Industry Co., Ltd. CNNC**  
**No. 501, Zhujiang Road, New District,**  
**PC: 215000, Suzhou, 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	6"-1500Lb
Description of Test Valve	Ball Valve
Valve Size, NPS	6"
Pressure Rating ( ANSI Class )	Class 1500
Valve Body Material	ASTM A105

**2. Qualified Range of Valves :**

Type	1500Lb
Description of Valves	Ball Valves
Qualified Sizes ( NPS ) <i>( according to API 607 Table 3 )</i>	6", 8", 10", 12"
Qualified Pressure Ratings ( Class: Lb ) <i>( according to API 607 Table 5 )</i>	Class 1500; Class 2500(PN260; PN420)
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 27, 2012  
*(Place, date)*

  
  
**TÜV SÜD Industrie Service GmbH**



Industrie Service

# CERTIFICATE

(Certificate of conformity with technical requirements in: )  
**ANSI/API STD 607 Fifth Edition, June 2005**

Certificate No.: 213986

Ref. Test report No.: 213987

Name and postal address of manufacturer: **SUFA Technology Industry Co., Ltd., CNNC**

No.501 Zhujiang Road, Suzhou,  
Jiangsu, 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 Fifth Edition, June 2005. The testing results of valves meet the requirements of ANSI/API STD 607 Fifth Edition, June 2005.

**1. Description of Test Valve :**

Type of Test Valve	Q1AA15C
Description of Test Valve	2-PC Casting Floating Ball Valve
Valve Size, NPS	6"
Pressure Rating ( ANSI Class )	150
Valve Body Material	ASTM A216 WCB

**2. Qualified Range of Valves :**

Type	Q1AA15C
Description of Valves	2-PC Floating Ball Valves
Qualified Pressure Ratings ( Class: Lb) <i>( according to API 607 Table 5 )</i>	150; 300
Qualified Sizes ( NPS ) <i>( according to API 607 Table 3 )</i>	6"; 8"; 10"; 12"
Qualified Valve Material <i>( according to API 607 7.2 )</i>	Ferritic
Qualified Marking <i>( according to API 607 7.5 )</i>	Qualified valves shall be marked: <b>ISO-FT</b>
Remark: the technical data of tested valves see back of this certificate appendix 1.	

This certificate is issued according to ANSI/API STD 607 Fifth Edition, June 2005, 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 Fifth Edition, June 2005 Paragraph 7.

Shanghai, Dec 26, 2011  
*(Place, date)*

TÜV SÜD Industrie Service GmbH



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Industrie Service

# CERTIFICATE

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

Certificate No.:226045

Ref. Test report No.:226044

Name and postal address of manufacturer: **SUFA Technology Industry Co., Ltd. CNNC  
No. 501, Zhujiang Road, New District, Suzhou City,  
PC: 215000, Jiangsu 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 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"-1500Lb Ball Valve
Description of Test Valve	Ball Valve
Valve Size, NPS	8"
Pressure Rating ( ANSI Class )	Class 1500
Valve Body Material	ASTM A351 CF8M

**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: Lb) ( according to API 607 Table 5 )	Class 1500,Class 2500 (PN260,PN420)
Qualified Valve Material ( according to API 607 7.2 )	Austenitic
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, August 31, 2015  
(Place, date)

  
  
TÜV SÜD Industrie Service GmbH

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Industrie Service

# CERTIFICATE

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

Certificate No.:226041

Ref. Test report No :226040

Name and postal address of manufacturer: **SUFA Technology Industry Co., Ltd. CNNC  
No. 501, Zhujiang Road, New District, Suzhou City,  
PC: 215000, Jiangsu 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 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"-150Lb Ball Valve
Description of Test Valve	Ball Valve
Valve Size (NPS)	8"
Pressure Rating ( Class )	Class 150
Valve Body Material	ASTM A351 CF8M

### 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: Lb) ( according to API 607 Table 5 )	Class150,Class 300(PN10,PN16,PN25,PN40)
Qualified Valve Material ( according to API 607 7.2 )	Austenitic
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, August 31, 2015  
(Place, date)

  
TÜV SÜD Industrie Service GmbH



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Industrie Service

# CERTIFICATE

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

Certificate No.: 215019

Ref. Test report No : 215020

Name and postal address of manufacturer: **SUFA Technology Industry Co., Ltd. CNNC**  
**No. 501, Zhujiang Road, New District,**  
**PC: 215000, Suzhou, 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	8"-150Lb
Description of Test Valve	Ball Valve
Valve Size (NPS)	8"
Pressure Rating ( Class )	Class 150
Valve Body Material	ASTM A105

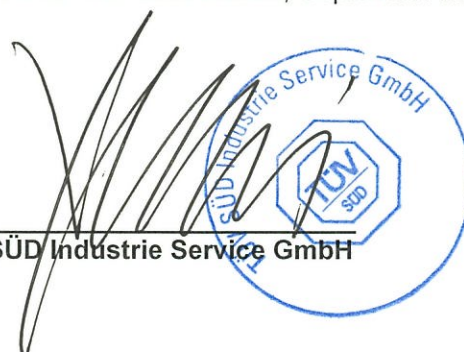
**2. Qualified Range of Valves :**

Type	150Lb
Description of Valves	Ball Valves
Qualified Pressure Ratings ( according to API 607 Table 3 )	8" and larger
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, June 11, 2012  
 (Place, date)

TÜV SÜD Industrie Service GmbH





Industrie Service

# CERTIFICATE

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

Certificate No.:226043

Ref. Test report No.:226042

**Name and postal address of manufacturer: SUFA Technology Industry Co., Ltd. CNNC**  
**No. 501, Zhujiang Road, New District, Suzhou City,**  
**PC: 215000, Jiangsu 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 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"-600Lb Ball Valve
Description of Test Valve	Ball Valve
Valve Size (NPS)	8"
Pressure Rating ( Class )	Class 600
Valve Body Material	ASTM A351 CF8M

**2. Qualified Range of Valves :**

Type	Ball Valves
Description of Valves	Ball Valves
Qualified Sizes ( NPS ) <i>( according to API 607 Table 3 )</i>	8"and larger
Qualified Pressure Ratings( Class: Lb) <i>( according to API 607 Table 5 )</i>	Class600,Class 800,Class 900 (PN100,PN150)
Qualified Valve Material <i>( according to API 607 7.2 )</i>	Austenitic
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.



*[Handwritten Signature]*

**Shanghai, October 30, 2015**  
*(Place, date)*

**TÜV SÜD Industrie Service GmbH**





Industrie Service

# CERTIFICATE

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

Certificate No.: 215021

Ref. Test report No.: 215022

Name and postal address of manufacturer: **SUFA Technology Industry Co., Ltd. CNNC**  
**No. 501, Zhujiang Road, New District,**  
**PC: 215000, Suzhou, 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	8"-600Lb
Description of Test Valve	Ball Valve
Valve Size (NPS)	8"
Pressure Rating ( Class )	Class 600
Valve Body Material	ASTM A105

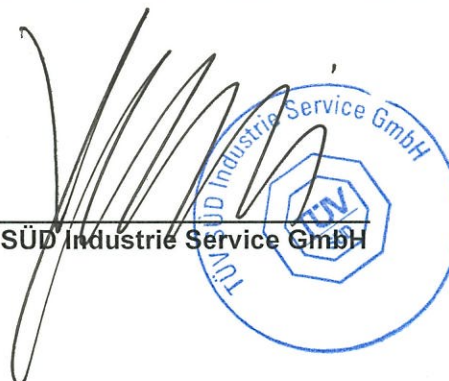
**2. Qualified Range of Valves :**

Type	600Lb
Description of Valves	Ball Valves
Qualified Pressure Ratings ( according to API 607 Table 3 )	8" and larger
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, June 12, 2012  
 (Place, date)

TÜV SÜD Industrie Service GmbH





Industrie Service

# CERTIFICATE

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

Certificate No.: 216439

Ref. Test report No.: 216438

Name and postal address of manufacturer: **SUFA Technology Industry Co., Ltd. CNNC**  
**No. 501, Zhujiang Road, New District,**  
**PC: 215000, Suzhou, 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	8"-900Lb
Description of Test Valve	Ball Valve
Valve Size (NPS)	8"
Pressure Rating ( Class )	Class 900
Valve Body Material	ASTM A105

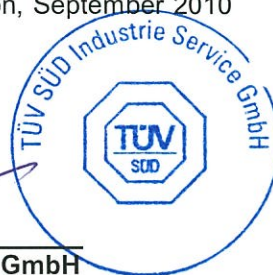
**2. Qualified Range of Valves :**

Type	900Lb
Description of Valves	Ball Valves
Qualified Sizes ( NPS ) ( according to API 607 Table 3 )	8" and larger
Qualified Pressure Ratings ( Class: Lb ) ( according to API 607 Table 5 )	Class 900, Class 1500(PN150, PN260)
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, December 27, 2012  
(Place, date)

TÜV SÜD Industrie Service GmbH



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