



Industrie Service

# CERTIFICATE

(Certificate of conformity with technical requirements in: )  
**API SPEC 6FA Third Edition, April 1999**

Certificate No.: 216429

Ref. Test report No.: 216428

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 API SPEC 6FA Third Edition, April 1999. The testing results of valves meet the requirements of API SPEC 6FA.

**1. Description of Test Valve :**

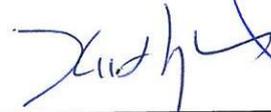
Type of Test Valve	16"-600Lb
Description of Valve	Ball Valve
Valve Size (NPS)	16"
Pressure Rating ( ANSI Class )	Class 600
Valve Body Material	ASTM A105

**2. Qualified Range of Valves :**

Type	600Lb
Description of Valves	Ball Valve
Qualified Sizes (NPS) <i>( according to API 6FA Table 2 )</i>	16" and larger
Qualified Pressure Ratings ( Class ) <i>( according to API 6FA Table 3 )</i>	600, 900
Qualified Marking <i>( according to API 6FA Para.7 )</i>	Qualified valves shall be permanently marked: <b>6FA</b>
Remark: the technical data of test valve see back of this certificate appendix 1.	

This certificate is issued according to API SPEC 6FA Third Edition, April 1999, based upon the result of testing report on above mentioned test valve. The additional valves qualification shall be limited on similar valves of same basic design as the test valve and 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 SPEC 6FA Third Edition, April 1999, Para.4.8.

Shanghai, December 27, 2012  
 (Place, date)

  
 TÜV SÜD Industrie Service GmbH





Industrie Service

# CERTIFICATE

**(Certificate of conformity with technical requirements in: )**  
**API SPEC 6FA Third Edition, April 1999**

Certificate No.: 216427

Ref. Test report No.: 216426

**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 API SPEC 6FA Third Edition, April 1999. The testing results of valves meet the requirements of API SPEC 6FA.

**1. Description of Test Valve :**

Type of Test Valve	16"-150Lb
Description of Valve	Ball Valve
Valve Size (NPS)	16"
Pressure Rating ( ANSI Class )	Class 150
Valve Body Material	ASTM A105

**2. Qualified Range of Valves :**

Type	150Lb
Description of Valves	Ball Valve
Qualified Sizes (NPS) <i>( according to API 6FA Table 2 )</i>	16" and larger
Qualified Pressure Ratings ( Class ) <i>( according to API 6FA Table 3 )</i>	150, 300
Qualified Marking <i>( according to API 6FA Para.7 )</i>	Qualified valves shall be permanently marked: <b>6FA</b>
Remark: the technical data of test valve see back of this certificate appendix 1.	

This certificate is issued according to API SPEC 6FA Third Edition, April 1999, based upon the result of testing report on above mentioned test valve. The additional valves qualification shall be limited on similar valves of same basic design as the test valve and 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 SPEC 6FA Third Edition, April 1999, Para.4.8.

Shanghai, December 28, 2012  
*(Place, date)*

  
  
**TÜV SÜD Industrie Service GmbH**



Industrie Service

# CERTIFICATE

(Certificate of conformity with technical requirements in: )  
**API SPEC 6FA Third Edition, April 1999**

Certificate No.: 216425

Ref. Test report No.: 216424

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 API SPEC 6FA Third Edition, April 1999. The testing results of valves meet the requirements of API SPEC 6FA.

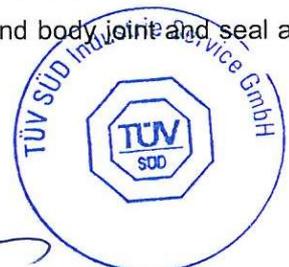
**1. Description of Test Valve :**

Type of Test Valve	12"-900Lb
Description of Valve	Ball Valve
Valve Size (NPS)	12"
Pressure Rating ( ANSI Class )	Class 900
Valve Body Material	ASTM A105

**2. Qualified Range of Valves :**

Type	900Lb
Description of Valves	Ball Valve
Qualified Sizes (NPS) ( according to API 6FA Table 2 )	12" through 24"
Qualified Pressure Ratings ( Class ) ( according to API 6FA Table 3 )	900, 1500
Qualified Marking ( according to API 6FA Para.7 )	Qualified valves shall be permanently marked: <b>6FA</b>
Remark: the technical data of test valve see back of this certificate appendix 1.	

This certificate is issued according to API SPEC 6FA Third Edition, April 1999, based upon the result of testing report on above mentioned test valve. The additional valves qualification shall be limited on similar valves of same basic design as the test valve and 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 SPEC 6FA Third Edition, April 1999, Para.4.8.



*[Handwritten Signature]*

**TÜV SÜD Industrie Service GmbH**

**Shanghai, December 28, 2012**  
 (Place, date)



Industrie Service

# CERTIFICATE

(Certificate of conformity with technical requirements in: )  
**API SPEC 6FA Third Edition, April 1999**

Certificate No.: 215033

Ref. Test report No.: 215034

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 API SPEC 6FA Third Edition, April 1999. The testing results of valves meet the requirements of API SPEC 6FA.

**1. Description of Test Valve :**

Type of Test Valve	8"-600Lb
Description of Valve	Ball Valve
Valve Size (NPS)	8"
Pressure Rating ( ANSI Class )	Class 600
Valve Body Material	ASTM A105

**2. Qualified Range of Valves :**

Type	600Lb
Description of Valves	Ball Valve
Qualified Pressure Ratings ( Class ) ( according to API 6FA Table 3 )	600, 900
Qualified Sizes (NPS) ( according to API 6FA Table 2 )	8";10";12";14";16"
Qualified Marking ( according to API 6FA Para.7 )	Qualified valves shall be permanently marked: <b>6FA</b>
Remark: the technical data of test valve see back of this certificate appendix 1.	

This certificate is issued according to API SPEC 6FA Third Edition, April 1999, based upon the result of testing report on above mentioned test valve. The additional valves qualification shall be limited on similar valves of same basic design as the test valve and 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 SPEC 6FA Third Edition, April 1999, Para.4.8.

Shanghai, June 13, 2012  
 (Place, date)

TÜV SÜD Industrie Service GmbH



# CERTIFICATE

(Certificate of conformity with technical requirements in: )  
**API SPEC 6FA Third Edition, April 1999**

Certificate No.: 215031

Ref. Test report No.: 215032

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 API SPEC 6FA Third Edition, April 1999. The testing results of valves meet the requirements of API SPEC 6FA.

**1. Description of Test Valve :**

Type of Test Valve	8"-150Lb
Description of Valve	Ball Valve
Valve Size (NPS)	8"
Pressure Rating ( ANSI Class )	Class 150
Valve Body Material	ASTM A105

**2. Qualified Range of Valves :**

Type	150Lb
Description of Valves	Ball Valve
Qualified Pressure Ratings ( Class ) ( according to API 6FA Table 3 )	150, 300
Qualified Sizes ( NPS ) ( according to API 6FA Table 2 )	8";10";12";14";16"
Qualified Marking ( according to API 6FA Para.7 )	Qualified valves shall be permanently marked: <b>6FA</b>
Remark: the technical data of test valve see back of this certificate appendix 1.	

This certificate is issued according to API SPEC 6FA Third Edition, April 1999, based upon the result of testing report on above mentioned test valve. The additional valves qualification shall be limited on similar valves of same basic design as the test valve and 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 SPEC 6FA Third Edition, April 1999, Para.4.8.

Shanghai, June 13, 2012  
 (Place, date)

**TÜV SÜD Industrie Service GmbH**



Industrie Service

# CERTIFICATE

(Certificate of conformity with technical requirements in: )  
**API SPEC 6FA Third Edition, April 1999**

Certificate No.: 216423

Ref. Test report No.: 216422

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 API SPEC 6FA Third Edition, April 1999. The testing results of valves meet the requirements of API SPEC 6FA.

**1. Description of Test Valve :**

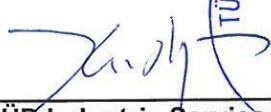
Type of Test Valve	6"-1500Lb
Description of Valve	Ball Valve
Valve Size (NPS)	6"
Pressure Rating ( ANSI Class )	Class 1500
Valve Body Material	ASTM A105

**2. Qualified Range of Valves :**

Type	1500Lb
Description of Valves	Ball Valve
Qualified Sizes (NPS) ( according to API 6FA Table 2 )Qualified	6"; 8"; 10"; 12"
Pressure Ratings ( Class ) ( according to API 6FA Table 3 )	1500; 2500
Qualified Marking ( according to API 6FA Para.7 )	Qualified valves shall be permanently marked: <b>6FA</b>
Remark: the technical data of test valve see back of this certificate appendix 1.	

This certificate is issued according to API SPEC 6FA Third Edition, April 1999, based upon the result of testing report on above mentioned test valve. The additional valves qualification shall be limited on similar valves of same basic design as the test valve and 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 SPEC 6FA Third Edition, April 1999, Para.4.8.

Shanghai, December 28, 2012  
 (Place, date)

  
  
**TÜV SÜD Industrie Service GmbH**



Industrie Service

# CERTIFICATE

(Certificate of conformity with technical requirements in: )  
**API SPEC 6FA Third Edition, April 1999**

Certificate No.: 215029

Ref. Test report No.: 215030

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 API SPEC 6FA Third Edition, April 1999. The testing results of valves meet the requirements of API SPEC 6FA.

**1. Description of Test Valve :**

Type of Test Valve	4"-600Lb
Description of Valve	Ball Valve
Valve Size (NPS)	4"
Pressure Rating ( ANSI Class )	Class 600
Valve Body Material	ASTM A105

**2. Qualified Range of Valves :**

Type	600Lb
Description of Valves	Ball Valve
Qualified Pressure Ratings ( Class ) ( according to API 6FA Table 3 )	600, 900
Qualified Sizes (NPS) ( according to API 6FA Table 2 )	4" ; 6" ; 8"
Qualified Marking ( according to API 6FA Para.7 )	Qualified valves shall be permanently marked: <b>6FA</b>
Remark: the technical data of test valve see back of this certificate appendix 1.	

This certificate is issued according to API SPEC 6FA Third Edition, April 1999, based upon the result of testing report on above mentioned test valve. The additional valves qualification shall be limited on similar valves of same basic design as the test valve and 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 SPEC 6FA Third Edition, April 1999, Para.4.8.

Shanghai, June 13, 2012  
 (Place, date)

TÜV SÜD Industrie Service GmbH



# CERTIFICATE

(Certificate of conformity with technical requirements in: )  
**API SPEC 6FA Third Edition, April 1999**

Certificate No.: 215027

Ref. Test report No.: 215028

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 API SPEC 6FA Third Edition, April 1999. The testing results of valves meet the requirements of API SPEC 6FA.

**1. Description of Test Valve :**

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

**2. Qualified Range of Valves :**

Type	150Lb
Description of Valves	Ball Valve
Qualified Pressure Ratings ( Class ) <i>( according to API 6FA Table 3 )</i>	150, 300
Qualified Sizes (NPS) <i>( according to API 6FA Table 2 )</i>	4", 6", 8"
Qualified Marking <i>( according to API 6FA Para.7 )</i>	Qualified valves shall be permanently marked: <b>6FA</b>
Remark: the technical data of test valve see back of this certificate appendix 1.	

This certificate is issued according to API SPEC 6FA Third Edition, April 1999, based upon the result of testing report on above mentioned test valve. The additional valves qualification shall be limited on similar valves of same basic design as the test valve and 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 SPEC 6FA Third Edition, April 1999, Para.4.8.

Shanghai, June 13, 2012  
 (Place, date)

**TÜV SÜD Industrie Service GmbH**



Industrie Service

# CERTIFICATE

(Certificate of conformity with technical requirements in: )  
**API SPEC 6FA Third Edition, April 1999**

Certificate No.: 216421

Ref. Test report No.: 216420

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 API SPEC 6FA Third Edition, April 1999. The testing results of valves meet the requirements of API SPEC 6FA.

**1. Description of Test Valve :**

Type of Test Valve	2"-1500Lb
Description of 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 Valve
Qualified Sizes (NPS) ( according to API 6FA Table 2 )Qualified	2"; 2 1/2"; 3"; 4"
Pressure Ratings ( Class ) ( according to API 6FA Table 3 )	1500; 2500
Qualified Marking ( according to API 6FA Para.7 )	Qualified valves shall be permanently marked: <b>6FA</b>
Remark: the technical data of test valve see back of this certificate appendix 1.	

This certificate is issued according to API SPEC 6FA Third Edition, April 1999, based upon the result of testing report on above mentioned test valve. The additional valves qualification shall be limited on similar valves of same basic design as the test valve and 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 SPEC 6FA Third Edition, April 1999, Para.4.8.

Shanghai, December 26, 2012  
 (Place, date)

**TÜV SÜD Industrie Service GmbH**



Industrie Service

# CERTIFICATE

(Certificate of conformity with technical requirements in: )  
**API SPEC 6FA Third Edition, April 1999**

Certificate No.: 215025

Ref. Test report No.: 215026

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 API SPEC 6FA Third Edition, April 1999. The testing results of valves meet the requirements of API SPEC 6FA.

**1. Description of Test Valve :**

Type of Test Valve	2"-800lb
Description of 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 Valve
Qualified Pressure Ratings ( Class ) ( according to API 6FA Table 3 )	800
Qualified Sizes (NPS) ( according to API 6FA Table 2 )	2"; 2 1/2"; 3"; 4"
Qualified Marking ( according to API 6FA Para.7 )	Qualified valves shall be permanently marked: <b>6FA</b>
Remark: the technical data of test valve see back of this certificate appendix 1.	

This certificate is issued according to API SPEC 6FA Third Edition, April 1999, based upon the result of testing report on above mentioned test valve. The additional valves qualification shall be limited on similar valves of same basic design as the test valve and 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 SPEC 6FA Third Edition, April 1999, Para.4.8.

Shanghai, June 14, 2012  
 (Place, date)

TÜV SÜD Industrie Service GmbH





Industrie Service

# CERTIFICATE

(Certificate of conformity with technical requirements in: )  
**API SPEC 6FA Third Edition, April 1999**

Certificate No.: 215023

Ref. Test report No.: 215024

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 API SPEC 6FA Third Edition, April 1999. The testing results of valves meet the requirements of API SPEC 6FA.

**1. Description of Test Valve :**

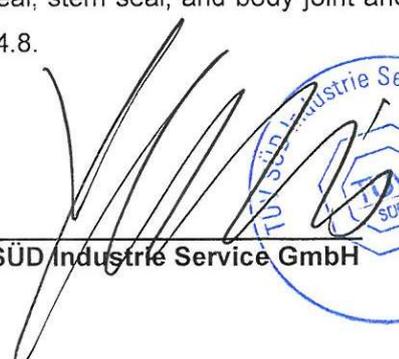
Type of Test Valve	2"-300Lb
Description of Valve	Ball Valve
Valve Size (NPS)	2"
Pressure Rating ( ANSI Class )	Class 300
Valve Body Material	ASTM A105

**2. Qualified Range of Valves :**

Type	300Lb
Description of Valves	Ball Valve
Qualified Pressure Ratings ( Class ) <i>( according to API 6FA Table 3 )</i>	300,400,600
Qualified Sizes (NPS) <i>( according to API 6FA Table 2 )</i>	2"; 2 1/2"; 3"; 4"
Qualified Marking <i>( according to API 6FA Para.7 )</i>	Qualified valves shall be permanently marked: <b>6FA</b>
Remark: the technical data of test valve see back of this certificate appendix 1.	

This certificate is issued according to API SPEC 6FA Third Edition, April 1999, based upon the result of testing report on above mentioned test valve. The additional valves qualification shall be limited on similar valves of same basic design as the test valve and 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 SPEC 6FA Third Edition, April 1999, Para.4.8.

Shanghai, June 13, 2012  
(Place, date)

  
 TÜV SÜD Industrie Service GmbH





Industrie Service

# CERTIFICATE

(Certificate of conformity with technical requirements in: )  
**API SPEC 6FA Third Edition, April 1999**

Certificate No.: 215233

Ref. Test report No.:215232

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 API SPEC 6FA Third Edition, April 1999. The testing results of valves meet the requirements of API SPEC 6FA.

**1. Description of Test Valve :**

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

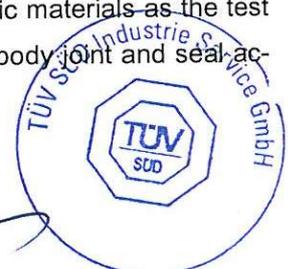
**2. Qualified Range of Valves :**

Type	600Lb
Description of Valves	Ball Valve
Qualified Sizes (NPS) ( according to API 6FA Table 2 )	2"; 2 1/2"; 3"; 4"
Qualified Pressure Ratings ( Class) ( according to API 6FA Table 3 )	600, 900
Qualified Marking ( according to API 6FA Para.7 )	Qualified valves shall be permanently marked: <b>6FA</b>
Remark: the technical data of test valve see back of this certificate appendix 1.	

This certificate is issued according to API SPEC 6FA Third Edition, April 1999, based upon the result of testing report on above mentioned test valve. The additional valves qualification shall be limited on similar valves of same basic design as the test valve and 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 SPEC 6FA Third Edition, April 1999, Para.4.8.

Shanghai, August 21, 2012  
 (Place, date)

  
 TÜV SÜD Industrie Service GmbH





Industrie Service

# CERTIFICATE

(Certificate of conformity with technical requirements in: )  
**API SPEC 6FA Third Edition, April 1999**

Certificate No.: 216419

Ref. Test report No.: 216418

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 API SPEC 6FA Third Edition, April 1999. The testing results of valves meet the requirements of API SPEC 6FA.

**1. Description of Test Valve :**

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

**2. Qualified Range of Valves :**

Type	150Lb
Description of Valves	Ball Valve
Qualified Sizes (NPS) <i>( according to API 6FA Table 2</i>	2"; 2 1/2"; 3"; 4"
Qualified Pressure Ratings ( Class) <i>( according to API 6FA Table 3 )</i>	150; 300
Qualified Marking <i>( according to API 6FA Para.7 )</i>	Qualified valves shall be permanently marked: <b>6FA</b>
Remark: the technical data of test valve see back of this certificate appendix 1.	

This certificate is issued according to API SPEC 6FA Third Edition, April 1999, based upon the result of testing report on above mentioned test valve. The additional valves qualification shall be limited on similar valves of same basic design as the test valve and 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 SPEC 6FA Third Edition, April 1999, Para.4.8.

Shanghai, December 26, 2012  
 (Place, date)

  
 TÜV SÜD Industrie Service GmbH

