

Appendix
1

Certificate No.
QT-SHI04012/16-01

Reference Report No.
FM201604002

Technical Data Form

Name, Address of the applicant/
license holder:

TAVAL S.A.

Pilcomayo 87,1876, Don Bosco, Buenos Aires, Argentina

Name, Address of manufacturer:

DERVOS (WENZHOU) VALVE MANUFACTURING CO.,LTD

Zhoushan Road, Heer Village, Dongou Street, Yongjia Country,Wenzhou,
Zhejiang, P.R, China

1. Type of Test Valve:

Q47F-CL150 NPS2

2. Description of Test Valve:

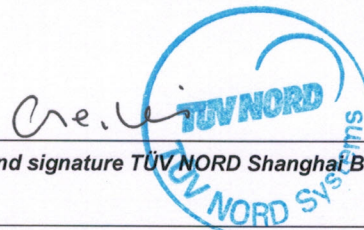
Ball Valve

3. Details of Valve:

Valves Size	Material	
Part Name		2"
Body		ASTM A216 WCB
Caps		ASTM A216 WCB
Sealing material for the connection of the body		304+Graphite
Ball+ sealing material		A105+ENP
Stem		ASTM A276 420
Sealing material for the stem		Graphite
Sealing material for the seat		RPTFE
Body Bolt		ASTM A193 B7
Nut		ASTM A194 2H
Design Drawing No.:		2" Q47F-150Lb-00

Shanghai, 22 April, 2016

(Place, Date)



Stamp and signature TUV NORD Shanghai Branch

TÜV NORD Shanghai Branch

NO.1, Greenland Central Plaza Lane1377
Jiang Chang Road, Zha Bei District,
Shanghai, China

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CERTIFICATE

(Certificate of conformity with technical requirements in:)
API SPEC 607 6th Edition, September 2010

Certificate No.: QT-SHI04012/16-01
Ref. Test Report No.: FM201604002

Name, Address of the applicant/
license holder: **TAVAL S.A.**
Pilcomayo 87, 1876, Don Bosco, Buenos Aires, Argentina

Name, Address of manufacturer: **DERVOS (WENZHOU) VALVE MANUFACTURING CO.,LTD**

Zhoushan Road, Heer Village, Dongou Street, Yongjia Country, Wenzhou,
Zhejiang, 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 607 6th Edition, September 2010. The testing results of valves meet the requirements of API SPEC 607.

1. Description of Test Valve :

Type Designation of tested valve (s):	Q47F-CL150 NPS2
Description of Valve :	Ball Valve
Nominal Size(s) :	2"
Pressure rating (ANSI Class) :	150
Valve Body Material :	ASTM A216 WCB

2. Qualified Range of Valve :

Type :	Q47F-CL150 NPS2
Description of Valves :	Ball Valve
Qualified Pressure Ratings (Class) : (according to API 607 Table 5)	150;300
Qualified Sizes (NPS) : (according to API 607 Table 3)	≤2"; 2 1/2"; 3"; 4"

Remark: the technical data of test valve see back of this certificate appendix 1.

This certificate is issued according to API SPEC 607 6th Edition, September 2010, based upon the result of testing report on above mentioned test valve. Instead of testing each nominal size and nominal pressure rating of a given valve design, all valves of the same basic design as the test valve may be deemed to have been fire-tested, subject to the following limitations according to API SPEC 607 6th Edition, September 2010, Para.7.1.

Shanghai, 22 April, 2016

Place, Date


TÜV NORD Shanghai Branch



Appendix
1

Certificate No.
QT-SHI04012/16-02

Reference Report No.
FM201604001

Technical Data Form

**Name, Address of the applicant/
license holder:**

TAVAL S.A.

Pilcomayo 87, 1876, Don Bosco, Buenos Aires, Argentina

Name, Address of manufacturer:

DERVOS (WENZHOU) VALVE MANUFACTURING CO.,LTD

Zhoushan Road, Heer Village, Dongou Street, Yongjia Country,
Wenzhou, Zhejiang, P.R, China

1. Type of Test Valve:

Q47F-CL300 NPS2

2. Description of Test Valve:

Ball Valve

3. Details of Valve:

Valves Size	Material
Part Name	2"
Body	ASTM A216 WCB
Caps	ASTM A216 WCB
Sealing material for the connection of the body	304+Graphite
Ball+ sealing material	A105+ENP
Stem	ASTM A276 420
Sealing material for the stem	Graphite
Sealing material for the seat	RPTFE
Body Bolt	ASTM A193 B7
Nut	ASTM A194 2H
Design Drawing No.:	2" Q47F-300Lb-00

Shanghai, 22, April, 2016

(Place, Date)

C. e. u. 
Stamp and signature TUV NORD Shanghai Branch

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CERTIFICATE

(Certificate of conformity with technical requirements in:)
API SPEC 607 6th Edition, September 2010

Certificate No.: QT-SHI04012/16-02
Ref. Test Report No.: FM201604001

Name, Address of the applicant/
license holder: **TAVAL S.A.**
Pilcomayo 87, 1876, Don Bosco, Buenos Aires, Argentina

Name, Address of manufacturer: **DERVOS (WENZHOU) VALVE MANUFACTURING CO.,LTD**

Zhoushan Road, Heer Village, Dongou Street, Yongjia Country, Wenzhou,
Zhejiang, 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 607 6th Edition, September 2010. The testing results of valves meet the requirements of API SPEC 607.

1. Description of Test Valve :

Type Designation of tested valve (s):	Q47F-CL300 NPS2
Description of Valve :	Ball Valve
Nominal Size(s) :	2"
Pressure rating (ANSI Class) :	300
Valve Body Material :	ASTM A216 WCB

2. Qualified Range of Valve :

Type :	Q47F-CL300 NPS2
Description of Valves :	Ball Valve
Qualified Pressure Ratings (Class) : (according to API 607 Table 5)	300;400;600
Qualified Sizes (NPS) : (according to API 607 Table 3)	≤2"; 2 1/2"; 3"; 4"

Remark: the technical data of test valve see back of this certificate appendix 1.

This certificate is issued according to API SPEC 607 6th Edition, September 2010, based upon the result of testing report on above mentioned test valve. Instead of testing each nominal size and nominal pressure rating of a given valve design, all valves of the same basic design as the test valve may be deemed to have been fire-tested, subject to the following limitations according to API SPEC 607 6th Edition, September 2010, Para.7.1.

Shanghai, 22 April, 2016

Place, Date

Cre, U
TÜV NORD Shanghai Branch



Appendix
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Certificate No.
QT-SHI04012/16-03

Reference Report No.
FM201604004

Technical Data Form

**Name, Address of the applicant/
license holder:**

TAVAL S.A.

Pilcomayo 87,1876, Don Bosco, Buenos Aires, Argentina

Name, Address of manufacturer:

DERVOS (WENZHOU) VALVE MANUFACTURING CO.,LTD

Zhoushan Road, Heer Village, Dongou Street, Yongjia
Country,Wenzhou, Zhejiang, P.R, China

1. Type of Test Valve:

Q47F-CL150 NPS4

2. Description of Test Valve:

Ball Valve

3. Details of Valve:

Valves Size	Material
Part Name	4"
Body	ASTM A216 WCB
Caps	ASTM A216 WCB
Sealing material for the connection of the body	304+Graphite
Ball+ sealing material	A105+ENP
Stem	ASTM A276 420
Sealing material for the stem	Graphite
Sealing material for the seat	RPTFE
Body Bolt	ASTM A193 B7
Nut	ASTM A194 2H
Design Drawing No.:	4" Q47F-150Lb-00

Shanghai, 22 April, 2016

(Place, Date)

Stamp and signature TÜV NORD Shanghai Branch

TÜV NORD Shanghai Branch

NO.1, Greenland Central Plaza Lane1377
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Shanghai, China

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CERTIFICATE

(Certificate of conformity with technical requirements in:)
API SPEC 607 6th Edition, September 2010

Certificate No.: QT-SHI04012/16-03
Ref. Test Report No.: FM201604004

Name, Address of the applicant/
license holder: **TAVAL S.A.**
Pilcomayo 87, 1876, Don Bosco, Buenos Aires, Argentina

Name, Address of manufacturer: **DERVOS (WENZHOU) VALVE MANUFACTURING CO.,LTD**
Zhoushan Road, Heer Village, Dongou Street, Yongjia Country, Wenzhou,
Zhejiang, 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 607 6th Edition, September 2010. The testing results of valves meet the requirements of API SPEC 607.

1. Description of Test Valve :

Type Designation of tested valve (s):	Q47F-CL150 NPS4
Description of Valve :	Ball Valve
Nominal Size(s) :	4"
Pressure rating (ANSI Class) :	150
Valve Body Material :	ASTM A216 WCB

2. Qualified Range of Valve :

Type :	Q47F-CL150 NPS4
Description of Valves :	Ball Valve
Qualified Pressure Ratings (Class) : (according to API 607 Table 5)	150;300
Qualified Sizes (NPS) : (according to API 607 Table 3)	4"; 5"; 6" ; 8"

Remark: the technical data of test valve see back of this certificate appendix 1.

This certificate is issued according to API SPEC 607 6th Edition, September 2010, based upon the result of testing report on above mentioned test valve. Instead of testing each nominal size and nominal pressure rating of a given valve design, all valves of the same basic design as the test valve may be deemed to have been fire-tested, subject to the following limitations according to API SPEC 607 6th Edition, September 2010, Para 7.1.

Shanghai, 22 April, 2016

Place, Date


 TÜV NORD Shanghai Branch

Appendix
1

Certificate No.
QT-SHI04012/16-04

Reference Report No.
FM201604006

Technical Data Form

Name, Address of the applicant/
license holder:

TAVAL S.A.
Pilcomayo 87,1876, Don Bosco, Buenos Aires, Argentina

Name, Address of manufacturer:

DERVOS (WENZHOU) VALVE MANUFACTURING CO.,LTD
Zhoushan Road, Heer Village, Dongou Street, Yongjia
Country,Wenzhou, Zhejiang, P.R, China

1. Type of Test Valve:

Q47F-CL300 NPS4

2. Description of Test Valve:

Ball Valve

3. Details of Valve:

Valves Size	Material
Part Name	4"
Body	ASTM A216 WCB
Caps	ASTM A216 WCB
Sealing material for the connection of the body	304+Graphite
Ball+ sealing material	A105+ENP
Stem	ASTM A276 420
Sealing material for the stem	Graphite
Sealing material for the seat	RPTFE
Body Bolt	ASTM A193 B7
Nut	ASTM A194 2H
Design Drawing No.:	4" Q47F-300Lb-00

Shanghai, 22, April, 2016

(Place, Date)

Stamp and signature TÜV NORD Shanghai Branch

TÜV NORD Shanghai Branch

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CERTIFICATE

(Certificate of conformity with technical requirements in:)
API SPEC 607 6th Edition, September 2010

Certificate No.: QT-SHI04012/16-04
Ref. Test Report No.: FM201604006

Name, Address of the applicant/
license holder: **TAVAL S.A.**
Pilcomayo 87, 1876, Don Bosco, Buenos Aires, Argentina

Name, Address of manufacturer: **DERVOS (WENZHOU) VALVE MANUFACTURING CO.,LTD**
Zhoushan Road, Heer Village, Dongou Street, Yongjia
Country, Wenzhou, Zhejiang, 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 607 6th Edition, September 2010. The testing results of valves meet the requirements of API SPEC 607.

1. Description of Test Valve :

Type Designation of tested valve (s):	Q47F-CL300 NPS4
Description of Valve :	Ball Valve
Nominal Size(s) :	4"
Pressure rating (ANSI Class) :	300
Valve Body Material :	ASTM A216 WCB

2. Qualified Range of Valve :

Type :	Q47F-CL300 NPS4
Description of Valves :	Ball Valve
Qualified Pressure Ratings (Class) : (according to API 607 Table 5)	300;400;600
Qualified Sizes (NPS) : (according to API 607 Table 3)	4"; 5"; 6" ; 8"

Remark: the technical data of test valve see back of this certificate appendix 1.

This certificate is issued according to API SPEC 607 6th Edition, September 2010, based upon the result of testing report on above mentioned test valve. Instead of testing each nominal size and nominal pressure rating of a given valve design, all valves of the same basic design as the test valve may be deemed to have been fire-tested, subject to the following limitations according to API SPEC 607 6th Edition, September 2010, Para.7.1.

Shanghai, 22 April, 2016

Place, Date


TÜV NORD Shanghai Branch



Appendix
1

Certificate No.
QT-SHI04012/16-05

Reference Report No.
FM201604005

Technical Data Form

**Name, Address of the applicant/
license holder:**

TAVAL S.A.

Pilcomayo 87, 1876, Don Bosco, Buenos Aires, Argentina

Name, Address of manufacturer:

DERVOS (WENZHOU) VALVE MANUFACTURING CO.,LTD

Zhoushan Road, Heer Village, Dongou Street, Yongjia
Country, Wenzhou, Zhejiang, P.R, China

1. Type of Test Valve:

Q47F-CL150 NPS8

2. Description of Test Valve:

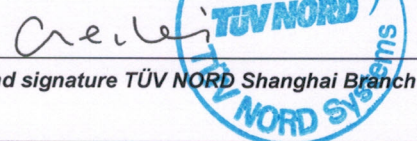
Ball Valve

3. Details of Valve:

Valves Size	Material
Part Name	8"
Body	ASTM A216 WCB
Caps	ASTM A216 WCB
Sealing material for the connection of the body	304+Graphite
Ball+ sealing material	A105+ENP
Stem	ASTM A276 420
Sealing material for the stem	Graphite
Sealing material for the seat	RPTFE
Body Bolt	ASTM A193 B7
Nut	ASTM A194 2H
Design Drawing No.:	8" Q47F-150Lb-00

Shanghai, 22 April, 2016

(Place, Date)


Stamp and signature TÜV NORD Shanghai Branch

TÜV NORD Shanghai Branch

NO.1, Greenland Central Plaza Lane1377

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CERTIFICATE

(Certificate of conformity with technical requirements in:)
API SPEC 607 6th Edition, September 2010

Certificate No.: QT-SHI04012/16-05
Ref. Test Report No.: FM201604005

Name, Address of the applicant/
license holder: **TAVAL S.A.**
Pilcomayo 87, 1876, Don Bosco, Buenos Aires, Argentina

Name, Address of manufacturer: **DERVOS (WENZHOU) VALVE MANUFACTURING CO.,LTD**
Zhoushan Road, Heer Village, Dongou Street, Yongjia Country, Wenzhou,
Zhejiang, 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 607 6th Edition, September 2010. The testing results of valves meet the requirements of API SPEC 607.

1. Description of Test Valve :

Type Designation of tested valve (s):	Q47F-CL150 NPS8
Description of Valve :	Ball Valve
Nominal Size(s) :	8"
Pressure rating (ANSI Class) :	150
Valve Body Material :	ASTM A216 WCB

2. Qualified Range of Valve :

Type :	Q47F-CL150 NPS8
Description of Valves :	Ball Valve
Qualified Pressure Ratings (Class) : (according to API 607 Table 5)	150;300
Qualified Sizes (NPS) : (according to API 607 Table 3)	8" and larger

Remark: the technical data of test valve see back of this certificate appendix 1.

This certificate is issued according to API SPEC 607 6th Edition, September 2010, based upon the result of testing report on above mentioned test valve. Instead of testing each nominal size and nominal pressure rating of a given valve design, all valves of the same basic design as the test valve may be deemed to have been fire-tested, subject to the following limitations according to API SPEC 607 6th Edition, September 2010, Para.7.1

Shanghai, 22, April, 2016

Place, Date

TÜV NORD Shanghai Branch

