

TYPE APPROVAL CERTIFICATE

Certificate No.: TA-IDD/S-08/952 rev.A

Name of the factory : Jiangsu Yinhuan Precision Steel Tube Co., Ltd.

Address of the factory : Economic Development, Yixing, Jiangsu, China 214203

Type(s) of seamless pipe / tube manufactured: Carbon-steel, Alloy-steel and

Stainless-steel Seamless Pipe / Tube

Applying Standards : ASME/ASTM Code (detail as annex)

OD & Wall thickness : OD 5mm - 426mm × W.T. 0.4mm - 40mm

After examination of the following documents:

- Test reports for type approval n° IDD/S-08/952 dated Nov.18th,2008

The undersigned, Inspector to Bureau Veritas, certifies that the above type meets the applicable requirements for the type approval of seamless pipe/tube above.

This approval remains valid as long as no significant changes are made to the facility, its production rate and its quality system. These conditions are assessed during each inspection of series.

This approval is an integral and indissociable part of the certification process managed by Bureau Veritas as defined in BV procedure GM SI 210.

Made at: Shanghai

Name & signature:

Gilles Fan

On: Nov. 18th, 2011

BV China Industry Department Manager



FACTORY APPROVAL CERTIFICATE

Certificate No.: FA-INS/S-12/0151

Name of the factory : Jiangsu Yinhuan Precision Steel Tube Co., Ltd.

Address of the factory: Economic Development, Yixing, Jiangsu, China 214203

Type(s) of seamless pipe / tube manufactured: Carbon-steel, Alloy-steel and

Stainless-steel Seamless Pipe/Tube

Applying standards: ASME/ASTM Code (detail as annex)

After examination of the following documents:

- Factory Audit Report n° FR-INS/S-12/0151
- Test Reports for Type Approval n° TR- IDD/S-08/952

The undersigned, inspector to Bureau Veritas, certifies that the above factory meets the applicable requirements for the production of the following types of seamless tube/pipe listed in *Annex to Certificate*.

This certificate is valid from : November. 17th, 2011

For a period of three years, ending : November. 18th, 2014

This approval is only valid when no significant changes are made to the audited facility, its production rate and its quality system. These conditions are assessed during semi-annually audits.

This approval is an integral and indissociable part of the certification process managed by Bureau Veritas as defined in BV procedure GM SI 210.

Made at: Shanghai

Name & signature:

Gilles Fan

On: Nov. 18th, 2011

BV China Industry Department Manager

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ANNEX TO CERTIFICATE

No. FA-INS/S-12/0151

1. Name of the factory : Jiangsu Yinhuan Precision Steel Tube Co., Ltd.

2. Address of the factory: Economic Development, Yixing, Jiangsu, China 214203

3. Applying standards : ASME/ASTM Code - 106,179,192,199,209,210,213,268,312,

335,376,423,450,524,530,556,731,789,790.

Type of Product Cold finished (cold-drawn and rolled) Seamless Carbon-steel,

Alloy-steel and Stainless-steel Pipe(Tube)

OD & OD 5mm – 426mm × W.T. 0.4mm – 40mm

Wall-thickness

 Satisfactory audit of the above mentioned factory and issuance of the references report as per the Factory Approval Certificate.

This certificate is valid for 3 years (November. 17th, 2014), providing that the semi-annual surveillance visits made by the society are satisfactory. After that period it shall be renewed in accordance with the Bureau Veritas Rules.

1 st Year Period:		2 nd Year Period:		3 rd Year Period:	
18/11/2011~ 17/05/2012	18/05/2012~ 17/11/2012	18/11/2012~ 17/05/2013	18/05/2013~ 17/11/2013	18/11/2013~ 17/05/2014	18/05/2014~ 17/11/2014
Sign & Stamp:	Sign & Stamp:	Sign & Stamp:	Sign & Stamp:	Sign & Stamp:	Sign & Stamp:
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This inspection has been carried out within the scope of Bureau Veritas General Conditions; it does not release the seller from his contractual obligations towards the buyer.



FACTORY AUDIT REPORT n° FR- INS/S-12/0151

Rapport d'audit de l'usine ou de l'unité de fabrication

1. General

Name and address of the factory:

Jiangsu Yinhuan Precision Steel Tube Co., Ltd.

Economic development zone, Yixing City, Jiangsu Province, P.R.China

Manufactured products (designation & references): Cold finished(cold-drawn and rolled)

Seamless Carbon Steel, Alloy Steel and Stainless Steel Pipes(Tubes)

List of standards and specifications,

ASTM/ASME Code-

106,179,192,199,209,210,213,268,312,335,376,423,450,524,530,556,731,789,790

Production rate (daily, yearly),

Daily

Number of shifts,

550persons

Number of workers (total number),

800persons

Years of experience in manufacturing the above product,

20years

Statutory approvals for the product (attach certificates) if any.

N/A

Quality System Certification in force (reference),

QMS certificate (ISO9001:2008): Certificate registration (02209Q20078R5M) issued by Beijing grand honour management system certificate co.,ltd. Valid date: June 19th.,2012

2. Manufacturing facilities

Description of each work station,

The production facilities are suitability, which is satisfied with the requirements of the production. The detailed main production facilities and equipment as follows:

Manufacturing machines list.docx

List of the equipment of the laboratory and test benches,

Inspection machines list.docx

List of subcontracted services, NA

3. Verifications (Yes/No/NA)

- the quality system is certified (attach certificate), Yes
- the production planning process is updated regularly, Yes
- the inspection department of the manufacturer is organized as per ISO 17020, Yes
- the inspection plan incorporates the requirements of the standard and of the specification, Yes
- night shift production is under control of the Quality Control Department, Yes





FACTORY AUDIT REPORT n° FR- INS/S-12/0151

Rapport d'audit de l'usine ou de l'unité de fabrication

- for each work station, the level of mechanization is sufficient to ensure homogeneous production (indicate the type and the number of machines for each), Yes
- the batch and inspection lot definitions take into account the actual production equipment, Yes
- all special processes are qualified and recorded, Yes
- competences and compliance of subcontractors are under Quality Assurance Department control, Yes
- assessment of the results of subcontractors activities are recorded and updated, Yes
- records are legible and allow satisfactory follow-up of the operations, Yes
- the measurement devices are suitable and their uncertainty is known (attach list of main devices with their uncertainty), suitable
- the test benches allow unattended surveillance by the BV inspector, Yes
- the acceptability criteria for each measure specified by the standard are defined and take the uncertainty into account, Yes
- the production of the series for type testing has been witnessed, NA
- samples for the type test have been selected by the BV inspector, NA
- testing was witnessed by the BV Auditor at the manufacturer's laboratory, NA
- testing was witnessed by the BV Auditor at the subcontracted laboratory of ... NA
- certification of this subcontracted laboratory has been checked, NA
- final inspection plans are properly managed, Yes

4. Conclusion

The above verifications have been performed by the undersigned Auditor to Bureau Veritas.

This report is transmitted to the manufacturer for further processing of the Factory Approval Application.

Attachments:

- Certificate of Quality System
- Inspection and Test Plan (ITP) specimen
- Qualification reports of routine tests performed on the whole production (i.e. welding machines, hydraulic test, load test, dielectric test, insulation test, heat treatment...)
 - QCP.pdf
 - 2. QSM Certificate.jpg



FACTORY AUDIT REPORT n° FR- INS/S-12/0151

Rapport d'audit de l'usine ou de l'unité de fabrication

Inspected by:		Checked by:				
Name: Ding Jin Signature	SHANGHAI SHANGHAI	Name: Ding	Du Signature			
Date of issueJune. 10 th , 2012	2		-			
Inspection centre: BV Shanghai						
Distribution: CLIENT	MANUFACTURER					