



## YANGZHOU LONTRIN STEEL TUBE CO.,LTD

ADDRESS: XINGGANG ROAD, DAQIAO TOWN, JIANGDU CITY, JIANGSU PROVINCE, CHINA

Tel:86-0514-86430111 Fax:0514-86430333

### DECLARATION OF PERFORMANCE

(EUROPEAN CONSTRUCTION REGULATIONS NO. 305/2011, ANNEX III )

1. Unique identification code of product-type:  
**S355J2H- EN 10210-1, -2**
2. Type, batch or serial number or any element allowing identification of the construction product as required pursuant to article 11 (4)  
**Identification of the product – see marking on the product or in inspection certificate EN 10204 – 3.1. Marking refer to steel grade, charge no. and batch no.**
3. Intended to use or uses of the construction product, in accordance with application harmonized technical specification, as foreseen by the manufacturer:  
**Hot finished structural hollow section from construction steel for steel structures**
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to article 11 (5):

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5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in article 12(2)  
**Not applicable**
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in annex V:

**System 2+**

In case of the declaration of performance concerning a construction product covered by a harmonised standard:

**Registered body for certification of construction products and steel structure under No. 0045 TUV NORD**

**System GmbH & Co. KG (Hamburg, Germany) performed**

(name and identification number of the notified body, if relevant)

7. **(i) initial inspection of the manufacturing plant and factory production control; (ii) continuous surveillance, assessment and evaluation of factory production control**

(Description of the third party tasks as set out in annex V)

Under system **system 2+**

and issued

**Certificate of conformity of the factory production control No. 0045-CPD-1610**

(certificate of constancy of performance, certificate of conformity of the factory production control test/ calculation reports – as relevant)

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

**Not applicable**

9. Declared Performance:

| Essential characteristics | Performance   |                             | Harmonised technical specification |       |       |   |
|---------------------------|---|-----------------------------|------------------------------------|-------|-------|---|
| Size                      | Outer diameter 25 to 720 mm<br>Wall-thickness 2.5 to 100 mm |                             | EN 10210-1:2006                    |       |       |   |
| Yield strength            | Wall-thickness, mm  | R <sub>0.2</sub> , Mpa, min |                                    |       |       |   |
|                           | (Tables A.3)  |                             |                                    |       |       |   |
|                           | ≤16   | 355                         |                                    |       |       |   |
|                           | >16 ≤40   | 345                         |                                    |       |       |   |
|                           | >40 ≤63   | 335                         |                                    |       |       |   |
|                           | >63 ≤80   | 325                         |                                    |       |       |   |
| Tensile strength          | Wall-thickness, mm  | R <sub>m</sub> , Mpa        |                                    |       |       |   |
|                           | (Tables A.3)  |                             |                                    |       |       |   |
|                           | ≤3  | 510-680                     |                                    |       |       |   |
|                           | >3 ≤100   | 470-630                     |                                    |       |       |   |
| Elongation                | Wall-thickness, mm  | A, %, min                   |                                    |       |       |   |
|                           | (Tables A.3)  |                             |                                    |       |       |   |
|                           | ≤40   | 22                          |                                    |       |       |   |
|                           | >40 ≤63   | 21                          |                                    |       |       |   |
| Impact strength           | Test temperature, °C  | KV <sup>0</sup> , J, min    |                                    |       |       |   |
|                           | (Tables A.3)  |                             |                                    |       |       |   |
|                           | -20   | 27                          |                                    |       |       |   |
| CEV                       | Wall-thickness, mm  | CEV, %, max                 |                                    |       |       |   |
|                           | (Tables A.2)  |                             |                                    |       |       |   |
|                           | ≤16   | 0,45                        |                                    |       |       |   |
|                           | >16 ≤40   | 0,47                        |                                    |       |       |   |
|                           | >40 ≤65   | 0,50                        |                                    |       |       |   |
| Chemical composition      | Max. mass fractions, % (Tables A.1)                         |                             |                                    |       |       |   |
|                           | C   | Si                          | Mn                                 | P     | S     | N |
|                           | 0,22  | 0,55                        | 1,60                               | 0,030 | 0,030 | - |

10. The performance of the product identified in point 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for on behalf of the manufacturer by

Director for technical and quality department

(name and position)

YANGZHOU LONGCHUAN STEEL PIPE CO., LTD.  
扬州龙川钢管有限公司

Yangzhou, China

Place and date of issue

signature, stamp