

MATERIAL MANUFACTURER STATAMENT

Certificate No.:
12824-2018-PC-RGC-DNV GL
This certificate consists of 4 pages

Initial date:
29th June 2018

This is to certify that the products(s)

Plates

with name and/or type designation(s)

Structural Steels

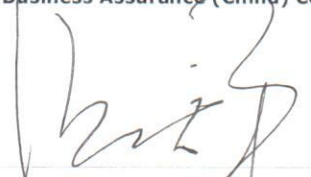
Manufactured by

Jiangsu Shagang Group Co., Ltd.
Jinfeng Town, Zhangjiagang, Jiangsu Province, P.R.China.

has, on a voluntary basis, been assessed with respect to
the requirements specified in Norsok M-120 Ed. 5
and found to comply with the standard.
Applications/Limitations: See page 3.

Further details are given overleaf

Place and date: Shanghai; 2018-07-25
DNV GL Business Assurance (China) Co., Ltd.



Zhang Qing Ping
Product Certification Director

This Statement is valid until:
2021-07-24



Wang Tian Bing
Technical Reviewer

Certificate No.: 12824-2018-PC-RGC-DNV GL
 Place and date: Shanghai, 29th June 2018
 Revision No: 0.0

Statement history

Revision	Description	Issue Date
0.0	Original Statement	2018-06-29

Products covered by this Statement

Grade of Material	Steelmaking ¹⁾	Fine Grain Treatment	Delivery Condition ²⁾	Max.Thickness (mm)	Z-quality
S235JR Y01	BOC,CC	Al	AR	25	-
S275JR Y02	BOC,CC	Al+Ti	CR	25	-
S355J0 Y04	BOC,CC	Al+Nb+Ti	M	25	-
S355J2 Y05	BOC,CC	Al+Nb+Ti	M	50	-
S355K2 Y05	BOC,CC	Al+Nb+Ti	M	50	-
S420ML Y15	BOC,CC	Al+Nb+Ti	M	50	-
S355G9+M Y25	BOC,CC	Al+Nb+Ti	M	80	Z35
S355G9+N Y25	BOC,CC	Al+Nb+Ti	N	100	Z35
S355G10+M Y20	BOC,CC	Al+Nb+Ti	M	80	Z35
S355G10+N Y20	BOC,CC	Al+Nb+Ti	N	100	Z35
S420G1+M Y35	BOC,CC	Al+Nb+Ti	M	80	Z35
S420G1+QT Y35	BOC,CC	Al+Nb+Ti	QT	100	Z35
S420G2+M Y30	BOC,CC	Al+Nb+Ti	M	80	Z35
S420G2+QT Y30	BOC,CC	Al+Nb+Ti	QT	100	Z35
S460G1+M Y45	BOC,CC	Al+Nb+V+Ti	M	80	Z35
S460G1+QT Y45	BOC,CC	Al+Nb+V+Ti	QT	100	Z35
S460G2+M	BOC,CC	Al+Nb+V+Ti	M	80	Z35

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Y40					
S460G2+QT Y40	BOC,CC	Al+Nb+V+Ti	QT	100	Z35
S500G1+M Y55	BOC,CC	Al+Nb+V+Ti	M	80	Z35
S500G1+QT Y55	BOC,CC	Al+Nb+V+Ti	QT	100	Z35
S500G2+M Y50	BOC,CC	Al+Nb+V+Ti	M	80	Z35
S500G2+QT Y50	BOC,CC	Al+Nb+V+Ti	QT	100	Z35

Remarks:

- ¹⁾ BOC, CC: Basic Oxygen Converter; Continuous Casting
²⁾ AR: As Rolled N: Normalised; M: Thermomechanical rolling; CR: Controlled rolling; QT: Quenching and Tempering

Site covered by this Statement

Site Name	Address	Date	Report ref.
Jiangsu Shagang Group Co., Ltd.	Jinfeng Town, Zhangjiagang, Jiangsu Province, P.R.China.	2018-06	Type test report No.TP1707PG-01 rev.02

Applications/Limitations

1. This Material Manufacturer Statement does not exempt any purchaser from his responsibility to ensure that this qualification is valid for his products within the requirements of NORSOK M-120.
2. Samples for production testing shall realistically reflect the properties in the actual component as per relevant MDS and purchaser requirements.
3. The re-qualification process shall be repeated if any change is made to essential variable, E.g. change in the forming process and a major change of manufacturing equipment, etc.
4. If production is carried out at different plants/locations, a separate qualification is required for each plant. The also applies to change of in-house to subcontractors or change of subcontractor for essential operations. E.g. heat treatment, etc.

Certificate No.: 12824-2018-PC-RGC-DNV GL
Place and date: Shanghai, 29th June 2018
Revision No: 0.0

Terms and conditions

This Statement is subject to the following terms and conditions:

- Product liability rests with Manufacturer in case of damages caused by defective products.
- The Statement is only valid for the product(s) listed above.
- Manufacturer shall inform the local DNV GL office for any changes made with respect to the qualification and a visit to the manufacturer may be made when deemed necessary.

The following may render this Statement invalid:

- Any deviation to application/limitation listed above.
- Changes in the manufacturing of the products.
- Changes or amendments to the referenced standard and manufacturing summary.

END OF STATEMENT

MATERIAL MANUFACTURER STATAMENT

Certificate No.:
12823-2018-PC-RGC-DNV GL
This certificate consists of 3 pages

Initial date:
29th June 2018

This is to certify that the products(s)

Plates

with name and/or type designation(s)

Weldable structural steels for fixed offshore structures

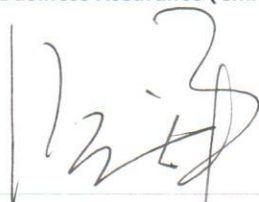
Manufactured by

Jiangsu Shagang Group Co., Ltd.
Jinfeng Town, Zhangjiagang, Jiangsu Province, P.R.China.

has, on a voluntary basis, been assessed with respect to
the requirements specified in EN 10225:2009.
and found to comply with the standard.
Applications/Limitations: See page 3.

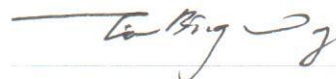
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Place and date: Shanghai; 2018-07-25
DNV GL Business Assurance (China) Co., Ltd.



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Product Certification Director

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Statement history

Revision	Description	Issue Date
0.0	Original Statement	2018-06-29

Products covered by this Statement

Grade of Material	Steelmaking ¹⁾	Fine Grain Treatment	Delivery Condition ²⁾	Max.Thickness (mm)	Z-quality
S355G2+N	BOC,CC	Al+Ti	N	20	-
S355G3+N	BOC,CC	Al+Ti	N	40	-
S355G5+M	BOC,CC	Al+Nb+Ti	M	20	-
S355G6+M	BOC,CC	Al+Nb+Ti	M	40	-
S355G7+M	BOC,CC	Al+Nb+Ti	M	80	Z35
S355G7+N	BOC,CC	Al+Nb+Ti	N	100	Z35
S355G8+M	BOC,CC	Al+Nb+Ti	M	80	Z35
S355G8+N	BOC,CC	Al+Nb+Ti	N	100	Z35
S355G9+M	BOC,CC	Al+Nb+Ti	M	80	Z35
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S355G10+M	BOC,CC	Al+Nb+Ti	M	80	Z35
S355G10+N	BOC,CC	Al+Nb+Ti	N	100	Z35
S420G1+M	BOC,CC	Al+Nb+Ti	M	80	Z35
S420G1+QT	BOC,CC	Al+Nb+Ti	QT	100	Z35
S420G2+M	BOC,CC	Al+Nb+Ti	M	80	Z35
S420G2+QT	BOC,CC	Al+Nb+Ti	QT	100	Z35
S460G1+M	BOC,CC	Al+Nb+V+Ti	M	80	Z35
S460G1+QT	BOC,CC	Al+Nb+V+Ti	QT	100	Z35
S460G2+M	BOC,CC	Al+Nb+V+Ti	M	80	Z35
S460G2+QT	BOC,CC	Al+Nb+V+Ti	QT	100	Z35

Remarks:

¹⁾ BOC, CC: Basic Oxygen Converter; Continuous Casting

²⁾ N: Normalised; M: Thermomechanical rolling; QT: Quenching and Tempering

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Jiangsu Shagang Group Co., Ltd.	Jinfeng Town, Zhangjiagang, Jiangsu Province, P.R.China.	2018-06	Type test report No.TP1707PG-01 rev.02

Certificate No.: 12823-2018-PC-RGC-DNV GL
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Applications/Limitations

1. This Material Manufacturer Statement does not exempt any purchaser from his responsibility to ensure that this qualification is valid for his products within the requirements of EN 10225.
2. Samples for production testing shall realistically reflect the properties in the actual plates as per material standard/specification and purchaser requirements.
3. The re-qualification process shall be repeated if any change is made to essential variable, E.g. change in the forming process and a major change of manufacturing equipment, etc.
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END OF STATEMENT