

Inspection Certificate (EN 10204-3.2)

Inspection No.: IN-TJ-5805-20083
 Certificate No.: IN-TJ-5805-20083

Buyer:
 Sinotürk Mühendislik Müşavirlik Ltd. Şti.

Contract No.: BTGD200727
 Date: July.27th, 2020

Seller:
 Cangzhou Steel Pipe Co., Ltd.
 Article: Seamless tube EN 10216-2 15NiCuMoNb5-6-4 244.5*20mm

Works No. N.A.

Technical specification/Requirements: EN 10216-2 15NiCuMoNb5-6-4

Material: 15NiCuMoNb5-6-4 according to: EN 10216-2 Edition: 2013

State of Delivery: Normalized and tempered

Melting Process: N.A.

Typical Marking: N.A.

Brand of the manufacture: N.A.

Inspector's name and stamp: Jason Jia TJ1211

Extent of material delivery:

Item No.	Number of pieces	Article	Heat No	Batch No.	Remarks (Test No)
1	3	EN 10216-2 15NiCuMoNb5-6-4 244.5*20mm	19052726	JK10010101	1-1

Additional remarks:

The requirements are fulfilled as per annex:

Location and Date: In Cangzhou city, China Aug.17, 2020

This is the second of two originals of this certificate.

Annex

Test results: Complied with the requirements of EN 10216-2 15NiCuMoNb5-6-4.

Annex: For IN-TJ-5805-20083



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Inspection Certificate (EN 10204-3.2)

Mechanical tests

Test type: Specimen type: Longitudinal Rectangular State of delivery: N+T Test ambient temperature: 25°C						Test type: Specimen type: Longitudinal Size: 10*10*55mm					
Test No.	Dim. of specimen	Tensile strength	Yield strength	Elongation	Flattening test	A = Energy of impact [J] B = Impact strength [J/cm ²] C = Cryst. Proportion [%] D = Expansion [mm.10 ⁻²] E = Expansion [%] F = Hardness [HB]					
	Thick (mm)	R _m (MPa)	R _{p0.2} (MPa)	A (%)	/	Values(20°C)				Remark	
Required	/	610~780	≥440	≥19(L)	No crack	A	Average ≥40(L)				
I-1	20.0	693	527	19.0	No crack -Blank-	A	235	205	210	217	

Product Chemical analysis (Sample size: EN 10216-2 15NiCuMoNb5-6-4.)

Unit: %

Heat No	C	Si	Mn	P	S	Cr	Mo	Ni	Al _{tot}	Cu	Nb
Required	≤0.17	0.25~0.50	0.8~1.20	≤0.025	≤0.015	≤0.30	0.25~0.50	1.00~1.30	≤0.05	0.50~0.80	0.015~0.045
19052726	0.13	0.26	1.20	0.019	0.007	0.20	0.28	1.17	0.032	0.59	0.023
						-Blank-					

- Visual check: Satisfactory
- Dimensional check: Satisfactory
- Leak tightness test: Satisfactory
- NDT for the detection of longitudinal imperfections: Satisfactory

We certify that the materials listed above have meet the requirements of P.O

Material Manufacturer:
PERMANENT STEEL MANUFACTURING
CO., LTD

SGS-CSTC Standards Technical Services
(Tianjin) Co., Ltd

Signature and stamp

Signature and stamp:

Date:

Date:



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Annex: For IN-TJ-5805-20083

Certification Body: SGS



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