



Inspection Order No.: IN080180TJ

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INSPECTION REPORT

(non-negotiable)

- Description and Quantity of Commodity (as per Proforma Invoice):

ALLOY SEAMLESS PIPE
193.7 X 22 X 5000-7000MM
108.0 X 4 X 5000-7000MM
88.9 X 3.5 X 5000-7000MM
323.9 X 11.5 X 5000-7000MM

- Name & Address Of seller:

CHENGDU DERBO STEEL CO.,LTD
ADD:ROOM NO.1025 MEINIAN PLAZA TIANFU AVENUE CHENGDU
TEL: 0086-28-85223949 FAX:0086-28-85249639

- Name & Address of buyer:

PROSPER TRADING CORPORATION
304, SRIRAM CENTER, OPP. VACCINE INSTITUTE, OLD PADRA
ROAD, BARODA 390 007, GUJARAT, INDIA
PH.: 91 265 2313500, 3081443, FAX: 91 265 2345378

- Proforma Invoice No.:

CDDDB0501 DATE: MAR 27, 2012

- Inspection Date & Place:

May. 29, 2012, In Cangzhou Hebei Province, China

- Nature Of Inspection:

- Visual quality check randomly
- Dimension check randomly
- Packing and Marking check randomly
- Lab test for chemical analysis and mechanical properties at SGS

- Inspector:

Kevin Cui

- Issuance date:

May 30, 2012

This is to report that we, SGS-CSTC Tianjin office at the request of client conducted the inspection on May. 29, 2012 with the details as follow:

SAMPLE SIZE:

Visual quality and packing marking check randomly: According to ANSI/ ASQ Z1.4-2003, L-II, 16 bundles;
Dimension check randomly: According to ANSI/ ASQ Z1.4-2003, S-4, 10pcs;

ACTUAL FINDINGS:

1. Visual quality check randomly:

During the inspection, the visual quality check had been performed randomly, and found the cargos were new and no obvious defects were found during inspection.

2. Dimension check randomly:

Important Note

All orders are accepted and all reports and certificates issued subject to the General Conditions of Service.(copy available upon request).



During the inspection, the dimension check had been performed randomly and the results as following:
Unit (mm)

Size		Out diameter	Wall thickness	Length
193.7x22	Required value	192.9~195.3	21.5~25	5000-7000
	Actual value	194.2~195	21.7~22.51	5001~7003
88.9x3.5	Required value	88~89.7	3.5~4	5000-7000
	Actual value	88.8~89.3	3.77~3.91	5001-6002
108x4	Required value	107~109	4~4.5	5000-7000
	Actual value	107.6~108.2	4.35~4.44	5003-7003
323.9x11.5	Required value	323.9~327	11.5~14	5000-7000
	Actual value	324.0~324.4	12.18~12.61	5001-7000

Remark: The require values were specified on the Proforma Invoice (No. HBXT0501 dated MAR 27, 2008), and found the actual values were met to the required value.

3. Packing and Marking:

During the inspection, there is no marking had been found and the pipes were rude packing.

4. Lab test for chemical analysis and mechanical properties at SGS:

4 samples were random selected at inspection site and presented to SGS lab for below lab test:

- Chemical composition analysis

Test method: OES

Spec.	Element,%						
	C	Si	Mn	P	S	Cr	Mo
Requirement*,%	0.08~0.15	≤0.55	0.40~0.70	≤0.035	≤0.035	2.00~2.50	0.90~1.20
88.9×3.5mm	0.08	0.28	0.43	0.013	0.003	2.00	0.90
108×4mm	0.09	0.30	0.44	0.016	0.003	2.01	0.93
193.7×22mm	0.10	0.23	0.42	0.011	0.003	2.18	0.90

Remark: the requirement values were specified in DIN17175-1979 (Grade 10CrMo9 10), and found the actual values were met to the requirement.

Spec.	Element,%						
	C	Si	Mn	P	S	Cr	Mo
Requirement*,%	0.05~0.15	0.50~1.00	0.30~0.60	≤0.025	≤0.025	1.00~1.50	0.44~0.65
323.9×11.5mm	0.12	0.55	0.50	0.011	0.004	1.00	0.48

Remark: the requirement values were specified in specified in ASTM A335-03 (Grade P11), and found the actual values were met to the requirement.

- Mechanical properties:

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Test method: EN10002-1-2001

Test item	Yield strength, MPa	Tensile strength, MPa	Elongation after fracture, (A _{50mm}) %
Required Value	≥ 280	450~600	≥ 20.0
88.9×3.5mm	515	597	22.0
108×4.0mm	287	573	28.5
193.7×22mm	311	459	32.0

Remark: the requirement values were specified in DIN17175-1979 (Grade 10CrMo9 10), and found the actual values were met to the requirement.

Test method: ASTM E8-04

Test item	Yield strength, MPa	Tensile strength, MPa	Elongation after fracture, (A _{50mm}) %
Required Value	≥ 205	≥ 415	≥ 20.0
323.9×11.5mm	421	544	38.0

Remark: the requirement values were specified in specified in ASTM A335-03 (Grade P11), and found the actual values were met to the requirement.

THIS CERTIFICATE ONLY REFLECTED OUR ACTUAL FINDINGS. THE INSPECTION WAS DONE TO THE BEST OF OUR KNOWLEDGE AND ABILITY AND WITH DUE CARE. THE FINDINGS ARE VALID AS FOR TIME AND PLACE OF INSPECTION.

FOR AND ON BEHALF OF
SGS-CSTC STANDARDS
TECHNICAL SERVICES CO., LTD.

AUTHORIZED SIGNATURE

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