



National Analysis Center for Iron & Steel

China National Center for Quality Supervision & Test of Iron & Steel

TEST REPORT

Consigner:
Report Number: 14R10760
Testing Item: Element analysis

Report Page: 1 of 1
Receipt Date: 15/05/2014
Report Date: 22/05/2014

PO: 14C10760

NACIS No.	Sample Name	Specimen No.	Results, w/%						
			C	Si	Mn	P	S	Cr	Ni
[GB/T1591-2008]Q345B requirement			≤0.20	≤0.50	≤1.70	≤0.035	≤0.035	≤0.30	≤0.50
14SH010215	Q345B	JH09070343	0.14	0.36	1.09	0.027	0.025	0.27	0.18
14SH010216	Q345B	JH09076342	0.16	0.46	1.46	0.016	0.019	0.012	0.008
14SH010217	Q345B	O8871084	0.18	0.20	0.54	0.015	0.023	0.010	0.012
14SH010218	Q345B	8882191	0.15	0.30	1.26	0.021	0.020	0.032	0.006
			Cu	Mo	V	Nb	Ti	N	CE
[GB/T1591-2008]Q345B requirement			≤0.30	≤0.10	≤0.15	≤0.07	≤0.20	≤0.012	≤0.44
14SH010215	Q345B	JH09070343	0.011	<0.01	0.005	<0.02	0.001	0.0079	0.39
14SH010216	Q345B	JH09076342	0.009	<0.01	0.003	<0.02	0.001	0.0052	0.41
14SH010217	Q345B	O8871084	0.009	<0.01	<0.001	<0.02	0.001	0.0040	0.28
14SH010218	Q345B	8882191	0.008	<0.01	0.024	<0.02	0.001	0.010	0.37

以下空白

Method	N:GB/T 20124-2006 V,P,Si,Ni,Cr,S,C,Ti,Cu,Nb,Mo,Mn:GB/T 4336-2002
Remarks	The above samples' chemical compositions meet the requirement of the specification [GB/T1591-2008] Q345B. C.E is calculated by the finished product analysis. C.E is for reference only. C.E is not judged.



Signature: [Handwritten Signature]

Date: 2014.5.27

- Remarks:
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National Analysis Center for Iron and Steel
China National Center for Quality Supervision & Test of Iron & Steel
Mechanical Analysis Report

Report No.: 14R08485

Contract No.: 14C10420

Consigner						
Address(Tel)			/			
Sample Shape		Plate	Date of Sample Submission		12/05/2014	
Testing Item		Tension Testing	Testing Date		21/05/2014	
Testing Temperature		23℃	Report Date		22/05/2014	
Executive Standard			GB/T 228-2002			
Sample Number			Tensile Strength R_m MPa	Upper Yield Strength R_{eH} MPa	Lower Yield Strength R_{eL} MPa	Percentage Elongation After Fracture A %
NACIS.NO	Sample Name	Sample Code				
14SL007008	Q345B	JH09070343	530		380	32.0
14SL007009	Q345B	JH09076342	515		335	32.5
14SL007010	Q235B	O8871084	425	280		39.5
14SL007011	Q345B	8882191	520		360	32.0

Signature: *liu duo*

Date: 22/05/2014

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National Analysis Center for Iron and Steel
China National Center for Quality Supervision & Test of Iron & Steel
Mechanical Analysis Report

Report No.: 14R08485

Contract No.: 14C10420

Consigner						
Address(Tel)			/		Date of Sample Submission	12/05/2014
Testing Item			Charpy notch impact testing		Testing Date	19/05/2014
Executive Standard			GB/T 229-1994		Report Date	22/05/2014
Sample Number			Sample Shape mm	Testing Temperature t °C	Absorbed Energy A _{KV} J	Remark
NACIS.NO	Sample Name	Sample Code				
14SL007008	Q345B	JH09070343-1	55×7.5×10	20	128	Unbroken
14SL007008	Q345B	JH09070343-2	55×7.5×10	20	121	Unbroken
14SL007008	Q345B	JH09070343-3	55×7.5×10	20	116	Unbroken
14SL007009	Q345B	JH09076342-1	55×7.5×10	20	66	Unbroken
14SL007009	Q345B	JH09076342-2	55×7.5×10	20	70	Unbroken
14SL007009	Q345B	JH09076342-3	55×7.5×10	20	73	Unbroken
14SL007010	Q235B	O8871084-1	55×7.5×10	20	83	Unbroken
14SL007010	Q235B	O8871084-2	55×7.5×10	20	88	Unbroken
14SL007010	Q235B	O8871084-3	55×7.5×10	20	85	Unbroken
14SL007011	Q345B	8882191-1	55×10×10	20	70	Unbroken
14SL007011	Q345B	8882191-2	55×10×10	20	92	Unbroken
14SL007011	Q345B	8882191-3	55×10×10	20	72	Unbroken
14SL007009 tension property doesn't meet the requirement of the specification [GB/T 1591-2008]Q345B, but impact property meet the requirement of the specification [GB/T 1591-2008]Q345B, others sample tension property and impact property meet the requirement of the specification [GB/T 1591-2008]Q345B and [GB/T 700-2006]Q235B.						

Signature: *L. J. Liu*



Date: 22/05/2014

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