

Contract No.	
Customer	
L/C No.	
P/O No.	
Commodity	PARALLEL CHANNEL
Specification	AS/NZS 3679.1 : 2010 Grade 300

INSPECTION CERTIFICATE

HYUNDAI STEEL	
Head Office	1, Songdo-gil, Dong-gu, Incheon, Korea
Certificate No.	
Test Laboratory	1, Songdo-gil, Dong-gu, Incheon, Korea
Date of Issue	Aug ~ 13

Dimensions & Length	Heat No.	Pieces	Weights (kg)	Chemical Composition (%) - L(Over)											Tensile Test				Impact Test (V-notch)			Remarks			
				C	Si	Mn	P	S	Cr	Ni	Cu	Mo	Al	Nb	Ti	CE(1)	Tensile Strength	Yield point	Elongation(2)	Bend Test	AVG		1	2	3
				x100	x1000	x1000	x1000	x1000	x1000	x1000	x1000	x1000	x1000	x1000	x1000	x1000	x1000	N/mm ²	N/mm ²	%	()		C		
200X75X8.0X12.0		38	18,125	18	14	68	28	6	8	32	2	7	16	2	34	518.8	368.3	26.5							
9.00 M		18	3,236	24	14	72	35	22	9	15	4	8	2	42	491.3	357.8	27.0								
200X75X8.0X12.0		48	14,852	18	12	71	30	17	10	15	3	5	2	37	494.3	329.5	26.5								
13.50 M		64	21,962	19	12	71	30	17	10	15	3	5	2	37	494.3	329.5	26.5								
200X75X8.0X12.0		40	15,120	18	14	65	26	8	8	11	1	16	2	34	518.8	389.3	26.5								
16.50 M		64	20,418	18	13	65	33	12	9	16	2	7	6	2	35	499.2	331.5	27.0							
250X90X8.0X15.0		18	8,816	18	18	66	36	15	8	16	2	4	2	35	506.0	323.6	26.5								
12.00 M		24	10,224	18	13	85	33	12	8	15	2	7	5	2	35	489.2	331.5	27.0							
250X90X8.0X15.0		8	3,408	18	12	65	34	15	9	17	2	8	4	2	35	498.2	323.6	26.5							
12.00 M		368	114,162																						
SUB TOTAL																									

(Notes) (1) C=CE (2) Gauge length : L = 5.65 √A (3) Test method : AS 1391-2007 / AS 2883:2000
 (4) STEEL MAKING : An Electric Arc Process

K. S. Shim

General Manager of Q.A Team

WE HEREBY CERTIFY THAT THE MATERIAL HAS BEEN MADE AND TESTED IN ACCORDANCE WITH THE ABOVE SPECIFICATION AND ALSO WITH THE REQUIREMENTS CALLED FOR THE ABOVE ORDER



This testing laboratory is accredited in accordance with the recognized international standard ISO/IEC 17025:2005.

INSPECTION CERTIFICATE

**HYUNDAI
STEEL**
 Head Office
 1, Songhyeon-dong, Dong-gu, Incheon,
 401-712, S. Korea
 Certificate No. _____
 Test Laboratory
 1, Songhyeon-dong, Dong-gu, Incheon,
 401-712, S. Korea
 Date of Issue **SEPT-13**

Contract No.	
Customer	
L/C No.	
P/O No.	
Commodity	PARALLEL CHANNEL
Specification	AS/NZS 3678.1 : 2010 Grade 300

Dimensions & Length	Heat No.	Pieces Weight (kg)	Chemical Compositions (%) - L(Chem)														Tensile Test Yield point (Elongation) (%)	Impact Test (V-notch) AVG	Remarks (Impact Specimen Size)							
			C		Si		Mn		P		S		Cu		Ni					Cr		Ti	Nb	N	As	V
			x100	x1000	x1000	x1000	x100	x100	x1000	x1000	x100	x100	x1000	x1000	x1000	x1000										
200X75X6.0X12.0 9.00 M		24 4,844	18	16	04	37	14	10	18	2	2	4	2	36	515.6	357.0	27.0									
200X75X6.0X12.0 9.00 M		48 9,688	18	16	06	30	10	12	18	1	1	1	1	37	613.6	360.0	28.0									
200X75X6.0X12.0 9.00 M		24 4,844	18	16	04	36	9	10	16	2	2	4	2	36	515.6	357.0	27.0									
200X75X6.0X12.0 10.50 M		32 7,892	18	16	04	36	9	10	16	2	2	4	2	36	515.6	357.0	27.0									
200X75X6.0X12.0 10.80 M		32 7,892	18	16	06	35	9	12	18	1	1	1	1	37	613.6	360.0	28.0									
200X75X6.0X12.0 12.00 M		18 4,400	18	16	04	37	11	10	16	2	2	4	2	36	515.6	357.0	27.0									
200X75X6.0X12.0 12.00 M		32 6,800	18	16	04	36	9	10	16	2	2	4	2	36	515.6	357.0	27.0									
200X75X6.0X12.0 12.00 M		32 6,800	17	15	06	40	9	10	16	2	2	4	2	35	519.6	370.0	27.0									
200X75X6.0X9.5 9.00 M		120 19,090	18	17	06	38	7	10	16	2	2	4	2	35	519.6	370.0	27.0									
SUB TOTAL		352 74,016																								

(1) Cast: (CE-Cr)-(Mn/S)-(Cr+Ni+Mo)/S-(Cu+Ni)/15

(2) Gauge length: 5.65 \sqrt{A}

(3) Test method: AS 1381-2007 / AS 2883-2000

(4) STEEL MAKING: An Electric Arc Process

K. S. Shin

General Manager of O.A. Team

This testing laboratory is
accredited in
accordance with the
recognized International
Standard ISO/IEC
17025:2005.

WE HEREBY CERTIFY THAT THE MATERIAL HAS BEEN MADE AND TESTED IN ACCORDANCE WITH THE ABOVE SPECIFICATION AND ALSO WITH THE REQUIREMENTS CALLED FOR THE ABOVE ORDER

HMS 1 102(A)-9a 株式会社東亜製鋼 検査管理事務局 品質管理課 検査係 申出 2013039 A4(2)0x257

契約書
Contract No.

注文書
Customer

得意店名
L/C No.

発注番号
P/O No.

品名
Commodity

品目
Specification

AS/NZS 3679.1 500

H-BEAM

検査証明書

INSPECTION CERTIFICATE

현대제철주식회사
HYUNDAI STEEL COMPANY

본사: 평택광역시 용구 송원동 1번지

Head Office: Song Hyun-Dong, Dong Gu, Incheon, Korea.

발행일자
Certificate No.

발행처
Issued by

검사번호
Check Cert. No.

발행일자
Date of Issue

JUL - 10

品名 Dimensions & Length	数量 (PCS) 수량 (KGS)	化学成分 (%) Chemical Composition										引張試験 Tensile Test			衝擊試験 Impact Test			備註 Remarks (Impact Specimen Size)
		C	SI	Mn	P	S	Cr	Mo	Al	V	T.S	Y.P	EL.	1	2	3	V-Notch	
		x100	x100	x100	x1000	x100	x1000	x1000	x1000	x1000	N/mm ²	%	AVG					
200UC 76.2	10	16	18	85	30	16	0.015	0.010	0.02	0.01	0.02	484.2	380.1	27.0				
18.00 M	8,320																	
310UB 40.4	8	16	18	85	30	16	0.015	0.010	0.02	0.01	0.02	484.2	380.1	27.0				
18.00 M	5,816																	
363UB 36.7	16	16	18	85	30	16	0.015	0.010	0.02	0.01	0.02	484.2	380.1	27.0				
12.00 M	9,190																	
260UB 87.1	18	16	18	87	34	18	0.015	0.010	0.02	0.01	0.02	484.2	380.1	27.0				
12.00 M	9,065																	
330UB 82.0	1	16	17	87	30	18	0.015	0.010	0.02	0.01	0.02	484.2	380.1	27.0				
16.00 M	1,368																	
370UB 101	6	16	18	85	34	22	0.015	0.010	0.02	0.01	0.02	484.2	380.1	27.0				
12.00 M	7,272																	
310UB 101	10	16	18	85	30	21	0.015	0.010	0.02	0.01	0.02	484.2	380.1	27.0				
12.00 M	12,180																	
310UB 101	6	16	18	85	30	21	0.015	0.010	0.02	0.01	0.02	484.2	380.1	27.0				
18.00 M	10,806																	
TOTAL	88																	
	64,806																	

(3) (1) Cast

Note:

상기의 계량은 원시재 결과 지칭된 규격에 일어난 것을 증명합니다.

WE HEREBY CERTIFY THAT THE MATERIAL HAS BEEN MADE AND TESTED IN ACCORDANCE WITH THE ABOVE SPECIFICATION AND ALSO WITH THE REQUIREMENTS CALLED FOR THE ABOVE ORDER

K. S. Shim

品質管理팀장
MGR of Q.A Team

A4(210)38(7)

ORIGINAL



현대제철주식회사
HYUNDAI STEEL COMPANY

본사: 평택공장 | 대구 | 인천 | 서울
Head Office: Song Hyun-Jong, Dang Ju, Incheon, Korea

檢査證明書
INSPECTION CERTIFICATE

契約書 No. _____
Contract No. _____
注文書 No. _____
Order No. _____
納入品名 _____
Item Name _____
納入品番 _____
Item No. _____
納入品種 _____
Item Type _____
納入品規格 _____
Item Specification _____

公認検査機関
Certification No. _____
検査機関名称
Inspection Agency Name _____
Class Cert. No. _____
認定番号
Certification No. _____

FEB-10

品名 Dimensions & Length	重量 (kg)	化学成分 (%)					引張強度 Tensile Test	降伏強度 Y.P. EL. (MPa)	延伸率 Elongation (%)	衝撃試験 Impact Test			備註 Remarks
		C	Mn	P	S	Ni				1	2	3	
250UC 72.3 18.00 M	5,246	16	19	0.02	0.21	0.15	487.4	483.1	24.0				
250UC 85.8 19.00 M	5,228	17	19	0.02	0.18	0.15	477.4	24.0					
350UB 28.7 12.00 M	5,800	21	18	0.02	0.18	0.15	463.0	26.0					
350UB 34.7 15.00 M	4,258	22	18	0.01	0.15	0.15	467.4	24.0					
350UB 50.7 19.00 M	5,472	22	18	0.01	0.15	0.15	463.0	26.0					
350UB 50.7 18.00 M	780	18	16	0.02	0.11	0.15	471.7	26.0					
350UB 44.7 12.00 M	1,806	17	18	0.02	0.17	0.15	466.8	26.0					
350UB 44.7 12.00 M	2,680	16	22	0.02	0.13	0.15	496.3	24.0					
350UB 44.7 15.00 M	10,000	16	18	0.02	0.15	0.15	467.4	26.0					
SUB TOTAL	42,084												

(注) 1) Case: _____
2) 試験片寸法: 250mm

WE HEREBY CERTIFY THAT THE MATERIAL HAS BEEN MADE AND TESTED IN ACCORDANCE WITH THE ABOVE SPECIFICATION AND ALSO WITH THE REQUIREMENTS CALLED FOR IN THE ABOVE ORDER.

인기에 재물을 검사해 결과 지출된 규격에 합당한 것을 증명합니다.

K. S. Shim
K.S. Shim Team &
MEM of QA Team
AA211042877

Contract No.
Customer
L/C No.

検査証明書

INSPECTION CERTIFICATE



證明書號碼
Certificate No.
原裝證明書號碼
Class Cert. No.
發行日期
Date of Issue

H-BEAM
AS/NZS 3678-1 200

FEB-10

品名 Dimensions & Length	重量 (PCS) 重量 (Kg)	化學成分 (%) Chemical Composition										引張試驗 Tensile Test			衝擊試驗 Impact Test			備註 Remarks		
		C	Si	Mn	P	S	×10000	×100	Cu	Mo	Cr	Al	V	T.S	Y.P	EL.P	AVG		1	2
180x25 18.0	1.4	17	16	65	25	18	31	2	2	4			602.0	375.0	27.3					
9.00 M	4,263																			
180x25 18.0	2.0	18	16	80	25	18	28	3	2	4			504.0	380.0	29.3					
9.00 M	3,240																			
200x25 26.7	1.2	17	15	81	17	20	31	2	1	3			630.0	331.0	23.0					
10.50 M	3,240																			
TOTAL	46																			
	5,748																			

(2) Gauge length : 200 mm
(3) Impact Specimen Size

Conditions of supply : As Rolled

상기의 자재는 검사에 의해 지점별 규격에 합격한 것을 증명합니다.

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인

MEMBER OF S.A. Team

2008684 AA(210x257)