

MODEL NO. : DSK-00000011

WORK NO. : 0000000000

DATE OF ORDER : 08A 0815

FACTORY : ASTAM/300-373-70

CONTACT NO. :

TELEPHONE :

CUSTOMER :



QUALITY CERTIFICATE

DONGKUK STEEL MILL CO., LTD

DATE : 2009/5/17

SIZE (in INCH)	HEAT No.	No of B/D	WEIGHT in MT	No of PCS/BD	CHEMICAL ANALYSIS (%)											MECHANICAL PROPERTIES				REMARKS	
					C	Si	Mn	P	S	Cu	Ni	Cr	V	Mo	Nb	Ti	Tensile Strength PSI	Yield Point PSI	Elonga- tion %		Band Test (180°)
C 12 * 25 40 ft	C24200D	40	145.160	8	0.11	0.14	1.05	0.030	0.013	0.26	0.06	0.08	0.019	0.01			75,130	55,840	25.6	0000	* MILL'S FULL NAME WITH ADDRESS : DONGKUK STEEL MILL CO., LTD. 1867 CHANGHUNGDOONG POHANG CTY KANGWANGDO KOREA
C 12 * 25 40 ft	C24190D	8	29.032	8	0.12	0.14	1.08	0.025	0.015	0.22	0.06	0.08	0.020	0.01	Ti		75,420	56,840	24.6	0000	
TOTAL		1,218	4,004.538																		

ORIGINAL

We hereby certify that the material herein has been made and tested in accordance with the above specification and also with the requirement called for the above order.

CHIEF OF QUALITY CONTROL DEPT

Signature

DOYCKUK STEEL MILL CO., LTD

MILL SHEET No. : D200005030041
 INVOICE No. :
 NAME OF ARTICLE : CHANNELS
 SPECIFICATION : ASTM A36/A572-50
 CONTRACT No. :
 SUPPLIER :
 CUSTOMER :



QUALITY CERTIFICATE

DONGKUK STEEL MILL CO., LTD

DATE : 2000/5/17

SIZE (in INCH)	HEAT No.	No of B/D	WEIGHT in MT	No of PCS/B/D	CHEMICAL ANALYSIS (%)													MECHANICAL PROPERTIES			REMARKS
					C	SI	Mn	P	S	Cu	NI	Cr	V	Mo	Nb	Tensile Strength PSI	Yield Point PSI	Elong- ation %	Bend Test (180°)		
C 12 * 25 40 ft	C24310D	40	145.160	8	0.12	0.17	1.13	0.025	0.014	0.23	0.07	0.06	0.021	0.01	0.001	75,130	55,550	26.3	GOOD	* MILL'S FULL NAME WITH ADDRESS : DONGKUK STEEL MILL CO., LTD. 187 CHANGDEUNGDOONG ROHANO CITY KYEONGSAHNGBUKDO KOREA	
C 12 * 25 40 ft	C24300D	40	145.160	8	0.10	0.17	1.08	0.026	0.026	0.23	0.06	0.06	0.019	0.01	Tr	75,420	55,840	24.8	GOOD		
C 12 * 25 40 ft	C24290D	32	116.128	8	0.13	0.17	1.04	0.023	0.015	0.23	0.06	0.05	0.019	0.01	Tr	74,635	54,635	25.7	GOOD		
C 12 * 25 40 ft	C24280D	40	145.160	8	0.12	0.16	1.08	0.023	0.013	0.22	0.05	0.06	0.019	0.01	Tr	74,985	54,825	24.8	GOOD		
C 12 * 25 40 ft	C24270D	32	116.128	8	0.11	0.15	1.04	0.025	0.012	0.21	0.06	0.06	0.019	0.01	Tr	75,565	55,280	24.9	GOOD		
C 12 * 25 40 ft	C24260D	40	145.160	8	0.12	0.16	1.11	0.023	0.011	0.22	0.06	0.06	0.022	0.01	0.002	75,130	55,985	25.4	GOOD		
C 12 * 25 40 ft	C24250D	40	145.160	8	0.12	0.16	1.11	0.033	0.011	0.23	0.07	0.09	0.021	0.01	Tr	75,420	56,275	25.0	GOOD		
C 12 * 25 40 ft	C24240D	40	145.160	8	0.12	0.17	1.13	0.030	0.010	0.22	0.06	0.09	0.021	0.01	Tr	76,000	57,435	23.9	GOOD		
C 12 * 25 40 ft	C24230D	32	116.128	8	0.11	0.16	1.05	0.032	0.011	0.28	0.06	0.09	0.020	0.01	Tr	75,130	55,280	26.2	GOOD		
C 12 * 25 40 ft	C24220D	40	145.160	8	0.12	0.16	1.06	0.029	0.013	0.27	0.07	0.10	0.020	0.02	Tr	74,840	55,405	24.8	GOOD		

ORIGINAL

We hereby certify that the material herein has been made and tested in accordance with the above specification and also with the requirement called for the above order.

01 May

SURVEYOR To: _____ SURVEYOR To: _____ CHIEF OF QUALITY CONTROL DEPT

DONGKUK STEEL MILL CO., LTD