



1035
QP00016_CPR2013-07-01_GA_V007

LIBERTY GALATI S.A. - Romania



LIBERTY

CUSTOMER / CLIENT : THYSSENKRUPP MATERIALS ROMANIA
PRODUCT / PRODUS : HOT ROLLED HEAVY PLATES
STEEL GRADE/MARCA OTEL: S355J2+N
NORM / STANDARD : EN10025-2:2019;

INSPECTION CERTIFICATE 20702864
ACCORDING TO : EN 10204/2004/3.1
DATE : 11.05.2022

ORDER / COMANDA : 808328/50083854
DISPATCH / AVIZ EXPEDITIE : 7001648025
WAGON / ID TRANSPORT : GL70YSN/GL90YSN-
TRACKING NO. :
PO.NO. : 2006995

TOTAL NUMBER OF PIECES: 4 / TOTAL WEIGHT: 18.840,00 KG

NO	PLATE	HEAT NO	DIMENSIONS	PC	TEST NO	WEIGHT	UTS	YTS	L0	El	Type CHPV	Temp °C	CHPVL J	CHPVL J	CHPVL J	KV Test
1	572608/0522/3/1	Y916515	30,00x2000x12000	1	5062	5.652	554	429	155	26	10	-20	139	128	121	5062
2	572608/0522/4/1	Y916515	30,00x2000x12000	1	5062	5.652	554	429	155	26	10	-20	139	128	121	5062
3	572610/0522/1/1	Y916516	30,00x2000x12000	1	5225	5.652	553	408	155	27	10	-20	131	130	146	3225
4	571290/0422/1/3	Y938769	20,00x2000x6000	1	3042	1.884	526	470	125	27	10	-20	173	169	176	3042

CHEMICAL COMPOSITION (%) - L = Heat , P = Product

	HEAT NO	C	Si	Mn	P	S	Al	Ti	V	Cu	Ni	Cr	Mo	Nb	B	H2	N2	Ca	CEV2
L	916515	0,17	0,20	1,48	0,015	0,004	0,030	0,002	0,004	0,07	0,03	0,04	0,008	0,006	0,0004	0,0002	0,0090	0,0008	0,44
L	916516	0,18	0,21	1,51	0,016	0,004	0,027	0,002	0,004	0,07	0,03	0,03	0,008	0,005	0,0004	0,0002	0,0095	0,0004	0,44
L	938769	0,09	0,02	1,55	0,015	0,006	0,027	0,035	0,004	0,06	0,03	0,04	0,004	0,041	0,0003	0,0000	0,0092	0,0013	0,36

Steelmaking process:
Made by BOF-Continuous Casting
Galvanizing class
Carbon equivalent formula:
CEV2 = C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15

Delivery condition: Normalizing rolled
Checking of marking, surface, shape and dimensions-ok
Surface: EN 10163/2-2004, class A, subclass 1
Tolerance:
Sizes: EN 10029/2010, tab.1 class A, tab.2, tab.3
Flatness: EN 10029/2010, class N, tab.4

THIRD PART INSPECTION

SIGNATURE

HEAD OF QUALITY CONTROL
BORS IONUT

MOCANU PARASCHIVA
INSPECTOR

INSPECTOR'S STAMP