

SILTARA INDUSTRIAL GROWTH CENTRE, RAIPUR (C.G.) (STEEL PLANT DIVISION)

Ph.: +91-7721-264241/263, Fax No. : +91-7721-264279/264240

QQ/FM/F10

258342

INVOICE NO

ELS) PO.JUGIANA, LUDHIANA

:HAPPY FORGINGS LTD, ELS) P :HFL/TDC-18,MFR-514(REV-01)

STOMER ECIFICATION V No / REF NO

ON IN

:05,25,10,2016 :M806415

20MMCR5 PE DIA

:8.82

DUCTION RATIO PUT SIZE (MM)

DIION(MM)

DCESS ROUTE

TRUCK NO

BATE

WHITE BASE-RED :69PCS/14BADLS 27,800

/ BNDL

NO OF PCS

(MT)

GUANTITY

DOL

SAS ROLLED

SUPPLY CONDITION

COLDUR CODE

MILTIPLE LENGTH

:BF/EQF/LRF/VD/CCM/SEN/M'EMS/AMLC

% (Ladle/Product)

CHEMICAL COMPOSITION

UST.

5-6 MTR

PB04V/6319 :16/02/2018

MATERIAL IS FRE

WP5 CMZ NE. YU. 7.51 775 , mm ;

187 M. t. 0,150; 1,000; -- ; -- ; 0,400; 1,300; 0,300; 0,100; 0.020; 0.030; 0.150; 1.000; 0.200; 1.300;

0,020; --

10.00051

MC3

7.A.1 !

500

233

P7 F

27

0.005; 0.007;0.0020;0.0003; 0.024;0.000±

0.010, 0,300; 0,190; 1,290; 0,010; 0,025; 0,190; 1,290; 0,020; 0,010; MIN XW CTUAL PEC.

ACTUAL

SPECIFIED PROPERTIES MECHANICAL

230-1570N/MM2 930N/MYZ MIN

DNGATIONS(5,655q,rt,A) DUCTION AREA %

36/38 JOLLES 180/200 BHN

240EHN MX

25J MIN.

1145 N/MM2 1290 N/MM2

11,56

TYMIN !

METALLURGICAL PROPERTIES RDNESS (BHN/HRB/HRC) PACT VALUE

AIN SIZE(ASTM E112/15:4748) CRD STRUCTURE

5-BASTM 6.5/7.5 1XXDIA MX 0.51MM PARTIAL

CL RATINES(ASTM E-45/15:4163) DECARB (MM) SAEJ419

TAL

THIN SPECIFIC REQUIRMENT ACTUAL

THICK

THIN

THICK!

THICK, THIN !

60.70

THIN

THICK!

P-1.0/1.0

C-0.5/0.5

B-2.0/1.0

A-2.0/1.5

0.0

1.0

00

0.0

0.0

0,5

0.0

100

THAN CZR252

RETTER

CZR3S3 MX JUMINY

LLA

(1406)

I. VALUE

CRO ETCH TEST (ASTM

RDENABILITY 15:3848/A255-02 MINY REDUIREMENT

1 1. SMM! SMM IST-INCH/PM.

1 10MM : 15MM :

30,000 35,00! 42,00; 44,50;

LEVEL (PPM) VALUES (HRC);

26.00! 27,000; 28,00;

-

20MM | 25MM | 30MM |

10 Pm 黄蕉 SPARK/SPECTRAL/MOBILE SPECTRO TEST 党 党 50-120 NZ: 100% SPARK/SPEC STEP DOWN TEST 20.0 --SPECIFIED MAX ACHIEVED

REMARKS

新

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1007, UT & MP1 TEST

UPSET

AUTHORISM SIGNATUR