

BSL**SPECTRO LAB**

CERTIFICATE NO.
T - 1452 & T- 1453

METALLURGICAL TESTING CENTRE

(A Unit of BSL Castings Pvt. Ltd.)

(NABL ACCREDITED LAB)

TEST REPORT

WORKS & OFFICE :

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BSL/SPECTRO/5.10F-01/01/00

Issued to : M/s. Sara Sae (P) Ltd.
7/1, Pritam Road, Unit - II
Dehra Dun - 248001

Report No. 3752

Ref. No. Nil

Sample Description. : Sample No. - 8446, Heat No. - 106673

D.O.T. : 28.05.2013

D.O.R. : 27.05.2013

J.O. No. : 921

RESULTS

Chemical Analysis (Fe Base - LAS)
Protocol : ASTM E 415:2008 (By O.E.S)

Sample ID; J.O.No. - 921

<u>Element</u>	<u>%</u>
Carbon	0.017
Silicon	0.176
Sulphur	0.002
Phosphorus	0.016
Manganese	0.923
Nickel	38.70
Chromium	20.32
Molybdenum	2.723
Vanadium	0.052
Copper	2.012
# Tungsten	0.039
Cobalt	0.070
Aluminium	0.073
Titanium	0.992
# Boron	0.000
Iron	33.88

Checked By


Authorised Signatory
(Q.M. / T.M.)

- Note :**
1. The result listed refer only to the tested samples and applicable parameters, Endorsement of product is neither inferred nor implied.
 2. Total Liability of our Laboratory is limited to the invoiced amount. No liability will be accepted after the sample is taken back.
 3. *Not Covered under NABL Scope.
 4. This report can not be used as an evidence in a court of law.
 5. Samples will be destroyed after 15 days.
 6. Any Complaints about this report should be communicated within 7 days of issue of this report.
 7. This report shall not be reproduced except in full, without the written permission of the Laboratory.
 8. # Results found outside the range of NABL accredited scope.

Gate entry - 8362

CERTIFIED MATERIAL TEST REPORT ^{EE}

Messrs.	REGENT STEEL & ENGG. CO.	Date	Feb. 13, 2013
Note Grade	UNS N08825	Sheet No.	203033
Condition	Annealed & Turned	Contract No.	P0217701
Heat No.	106673	Packing List No.	EB0210
Size	70 mm	Bundle No.	5 - 6
Length	5.550 - 5.830 mm	SANYO SPECIAL STEEL CO., LTD. Quality Assurance Department Quality Certification Group 3007, Nakashima, Shikama-ku, Himeji, Japan TEL (079) 235-6029 FAX (079) 235-6227	
Pieces	4		
Net Weight	718 kg		

Chemical Composition (%)	C	Si	Mn	S	Ni	Cr	Mo	Cu	Ti	Al	Fe
	X100	X100	X100	X1000	X100	X100	X100	X100	X100	X1000	X100
Standard	5 max	50 max	100 max	30 max	3800	1950	250	150	60	200	2200
Cast	1	22	77	2	3850	2011	262	180	86	90	3438
Mechanical Test	Type of Specimen										
From Product	Standard	Yield Strength		Tensile Strength		Elongation					
Result	ASTM	44	89	47							
Hardness Test	HRBW : 91										
Forging Ratio	50.6S										
Heat Treatment	950°C R.C										
Dimension Inspection	GOOD										
R-UST	GOOD										
Specification	ASME SB425-2011a ASTM B425-11 NACE MR0175-2009 NACE MR0103-2010										
Remarks	ACCORDING TO EN10204 TYPE 3.1 RADIATION GOOD MATERIAL IS FREE FROM MERCURY CONTAMINATION. ELECTRIC ARC FURNACE MELTED AND VACUUM DEGASSED END OF REPORT										
<div style="border: 2px solid blue; padding: 5px;"> <p>We hereby certify that we have Sold <u>718 kg</u> To <u>M/s. Regent Steel & Engg. Co.</u> Vide our Inv. No. <u>102</u> Dated <u>20.12.12</u> For <u>M/s. Regent Steel & Engg. Co.</u></p> <p style="text-align: right;">  Proprietor </p> </div>											

We hereby certify that the material described herein has been made in accordance with the rules of the contract.

Head of Quality Certification Group
K. Hashizume