

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. 3752 D.O.T. : 28.05.2013
 7/1, Pritam Road, Unit - II Report No.
 Dehra Dun - 248001 Ref. No. Nil D.O.R. : 27.05.2013
 Sample No. - 8446, Heat No. - 106673 J.O. No. : 921

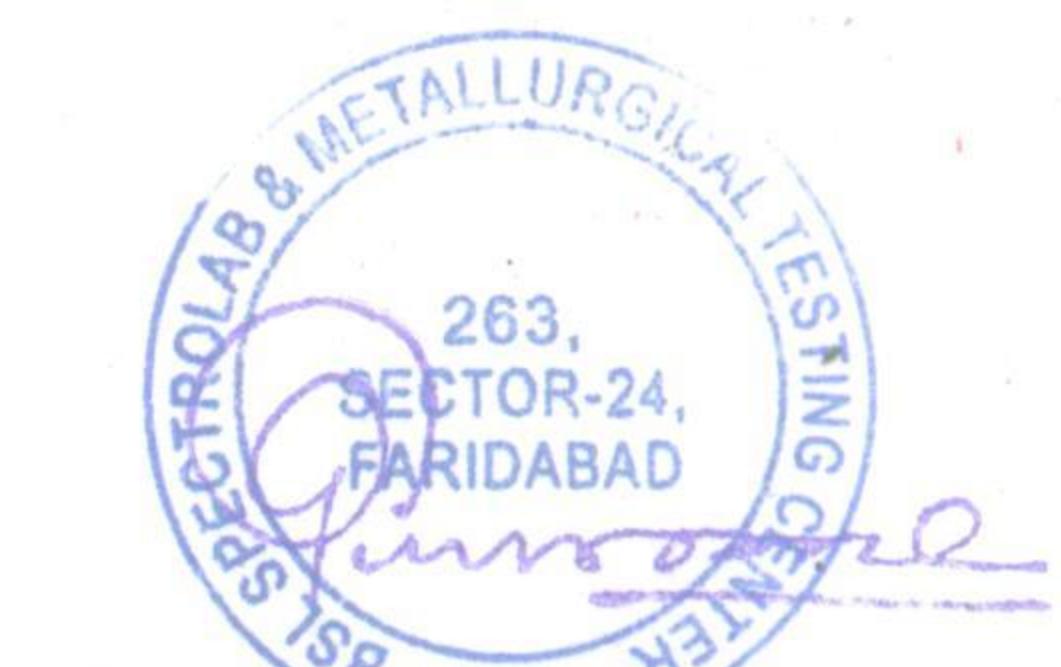
Sample Description. :

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.

Gaborony - 8362

CERTIFIED MATERIAL TEST REPORT

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.

Pieces 4

Quality Assurance Department

Net Weight 718 kg

Quality Certification Group

3007, Nakashima, Shikama-ku, Himeji, Japan

TEL (079) 235-6029

FAX (079) 235-6227

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	50	100	30	3800	1950	250	150	60	200	2200
Cast	max	max	max	max	4600	2350	350	300	120	max	min

Mechanical Test	Type of Specimen	0.2% Yield Strength	Tensile Strength	Elongation	Gage Reduction
From Product	Standard	35 [min ksi]	85 [min ksi]	30 [min %]	
	Result	ASTM	44	89	47

Hardness Test	HRBW	91
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Forging Ratio	50.6S
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Heat Treatment	950°C R.C
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Dimension Inspection	GOOD
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R-UST	GOOD
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Specification	ASME SB425-2011a ASTM B425-11 NACE MR0175-2009 NACE MR0103-2010
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Remarks	ACCORDING TO EN10204 TYPE 3 RADIATION: GOOD MATERIAL IS FREE FROM MERCURY CONTAMINATION ELECTRIC ARC FURNACE MELTED AND VACUUM DEGASSED
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END OF REPORT

We hereby certify that we have sold.....
To M/s. Sanyo Special Steel Co., Ltd.
Vide our Inv. No. 102 Dated 20/02/2013
For M/s. Regent Steel & Engg. Co.
Proprietor

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