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R. K. INSPECTION & TESTING SERVICES

C.B.B. GOVT. APPD. LAB., COMP. PERSON FOR SMPV (U) RULES 1981 OF C.C.O.E. NAGPUR
SPECTRO/WET ANALYSIS, P.M.I., MECH. TEST, HOT TENSILE, METALLURGICAL ANALYSIS
N.D.T., X-RAY, CIVIL TEST, STRUCTURAL TESTING ETC., U.T.P. INSP.

SPECTRO ANALYSIS REPORT

PARTY : M/s NOV SARA INDIA (P) LTD.; A/2 SARA INDUSTRIAL ESTATE . CHAKRATA ROAD RAMPUR
SELAQUI DEHRADUN-240001, INDIA

REF : LETTER DT: 12.12.2009

DESC : TEST SAMPLE FOR SPECTRO ANALYSIS

ID. MARK

DATE OF TESTING

W. O. NO.

SAMPLE NO.: 4069

16.12.2009

35619 - 4/10

ITEM: 56MM DIA, HEAT NO.: C - 369

C	Si	Mn	P	S	Cr	Mo	Ni	Al	Co	Cu
0.058	0.400	1.18	0.0298	0.0200	16.62	2.01	10.06	0.012	0.184	0.400
Ti	V	N								
0.012	0.066	0.052								

TESTED BY :

ASTM E 1507/ E-1086-94 / E-415 - 99

For R.K. INSPECTION & TESTING SERVICES

- Note :**
1. The results listed refer to the sample submitted for testing.
 2. Sample will be destroyed after 30 days unless instructed otherwise.



(Quality Manager)

We undertake testing jobs under Third Party Inspection Agencies e.g.

LLOYDS, PDIL, EIL, IBR, BAX COUNSEL, BUREAU VERITAS, DNV, ABS, IRS, NPC, NTPC, TUV (I) LTD., H&G Etc.

E-mail : rkits_its@yahoo.co.in **Visit us at :** www.rkits.co.in



Kesri Steels Limited

MATERIAL TEST CERTIFICATE

TC NO. :-KSL-839/09-10	Date : 27.11.2009	Customer : M/S NOV SARA INDIA PVT LTD.
Heat No. C - 0369		DEHRADUN
Specification:- SS 316	P.O. NO.: B / KES 0215 / 09	Dtd.:- 06.10.2009

SL. NO.	ITEM DESCRIPTION & DRAWING NO.	QUANTITY NOS
1	SS 316 DIA 56 MM FB 765	41

CHEMICAL COMPOSITION

PERCENT	C	Mn	Si	P	S	Cr	Ni	Mo	Cu	Ti	Al	V
AS PER Min. (%)						16.00	10.00	2.00				
SPEC, Max. (%)	0.080	2.00	1.00	0.045	0.030	18.00	14.00	3.00				
Actual Value	0.064	1.37	0.54	0.027	0.024	16.50	10.17	2.14				

HEAT TREATMENT

Condition	Temp. C	Soaking Time Hrs.	Cooling Medium

PHYSICAL PROPERTIES

MECHANICAL PROPERTIES	Y.S. N/mm2	U.T.S. N/mm2	ELONG % GL mm	REDN IN AREA %	BEND	HARDNESS	IMPACT (Joules)
AS PER Min.							
SPEC. Max.							
Actual Value							

We hereby certify that the items mentioned above have been tested and inspected in our presence and are found to be in accordance with the drawing, specifications, and purchase order.

REMARK

Sign of the Inspecting Officer

Sign of the Chief of Quality Control