



SPAN FORGING PVT. LTD.

Manufacturers of: Steel Forging and Centrifugal Casting

08.08.2012

Method: Fe-31-F

Comment: SS steel - F

Element concentration

8/8/2012 4:18:20 PM

Sample Name:

Grade:

Heat No:

T.S.(7872)358

D-2286

	C	Si	Mn	P	S	Cr	Mo	Ni
	%	%	%	%	%	%	%	%
< x > (2)	0.0607	0.593	1.50	0.0145	0.0042	16.67	2.03	10.04
	Al	Co	Cu	Nb	Ti	V	W	Pb
	%	%	%	%	%	%	%	%
< x > (2)	0.0043	0.186	0.367	0.0145	0.0116	0.0586	0.0430	< 0.0040
	Sn	As	Ca	B	Fe	Sb		
	%	%	%	%	%	%		
< x > (2)	0.0070	0.0151	0.0013	0.00060	68.4	< 0.0020		



MATERIAL TEST CERTIFICATE

TC NO. KSL-3487/12-13	Date: 06.05.2012	Buyer: M/S SARA SAE PVT LTD, DEHRADUN
Heat No. D-2255		Delivery: M/S GEE GEE INDUSTRIES, JALANDHAR
Specification: AISI 316	P.O. No. Verbal	Invoice No. 54 Date 06.05.2012

SL. NO.	ITEM DESCRIPTION & DRAWING NO.	QUANTITY NOS
1	Round Dia 50 MM	69
	Grade Color Code: Pink	
	Heat No. Color Code: White	

CHEMICAL COMPOSITION

PERCENT	C	Mn	Si	P	S	Cr	Fe	Mo	Cu	Ni	Al	V
AS PER SPEC	Min. (%)					16.00	10.00	2.00				
	Max. (%)	0.080	2.00	1.00	0.045	0.030	15.00	14.00	3.00			
Actual Value		0.064	1.26	0.50	0.033	0.021	16.54	10.14	2.15			

HEAT TREATMENT

Condition	Temp. C	Soaking Time Hrs	Cooling Medium

PHYSICAL PROPERTIES

MECHANICAL PROPERTIES	Y.S. N/mm ²	U.T.S. N/mm ²	ELONG % GL/mm	REDN IN AREA %	BEND	HARDNESS BHN	IMPACT (Joules)
AS PER SPEC	Min.						
	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

The Steel has been made by Electric Furnace which is fully killed by Al & Si. It has fine grain structure.

Sign of the Inspecting Officer

Registered Office:

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Works:

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Sign of the Chief Quality Control



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