



## BEARING MANUFACTURING INDIA

A 206, Flying Colours, 2nd Floor, P.D.U. Marg, Mulund - West,  
Mumbai - 400 080, India  
Tel: +91 22 2564 0000 , 2564 0003 | Fax: +91 22 2561 4680  
Email: sales@brgmfgindia.com

### CHEMICAL AND METALLURGICAL REPORT FOR MATERIAL

Name of Supplier		Report No. :	120706 SSV 000
Chit / GRN No.		Lot Qty	1
Material Status & Size	50 mm	Sample Qty	7.620 mm
		Inspection Date	30-Sep-12

#### 1. CHEMICAL COMPOSITION: -

Sr. No.	Elements	Specified Value	Actual Value				Remarks
			1	2	3		
1							
2	C	0.98 / 1.10	0.98	0.99	0.99		OK
3	Cr	1.30 / 1.60	1.45	1.46	1.46		OK
4	Mn	0.25 / 0.45	0.36	0.36	0.34		OK
5							
6							
7							

#### 2. METALLURGICAL TEST

Sr. No	Parameters	Specified Value	Actual Observation		Remarks
1	Hardness	87 - 92	88 - 89		OK
2	Decarb Depth	0.4 mm	nill		nill
3	Micro Test	Free from pipe porosity crack etc.	Free from porosity & material crack		OK
4	Micro Structure	Spherodised annealed	OK		OK
5	Grain Size	As per	7 - 8		OK
6	Inclusion Rating	A	Thin - 2.5	1.0	OK
			Thick - 1.5	0.5	
		B	Thin - 2.0	0.5	OK
			Thick - 1.0	0.5	
		C	Thin - 0.5	0.0	OK
			Thick - 0.5	0.0	
D	Thin - 1.0	1.0	OK		
	Thick - 1.0	0.5			

Remarks (if any) : Material Equivalent to SAE 52100

Conclusion: ACCEPTED

ACCEPTED UNDER DEVIATION  
REG. NO.

INSPECTED BY:

APPROVED BY :

APPROVED BY