

SLR Metaliks Limited

Sy.No.632, Narayanadevarakere, H.B.Halli, Tq. Bellary District, 583 222



TEST CERTIFICATE

CUSTOMER NAME		PROCESS ROUTE		BLOOM SIZE (mm)		SUPPLY CONDITION		TC NO.		DATE																													
M/S SSB ENGINEERS PVT		MBF-EOF-LRF-VP-COM(EMS-AMLC)-RMS		200x200		As Rolled		24120840		19-Dec-24																													
CUSTOMER SPECIFICATION		HEAT NO.		GRADE		SIZE (mm)		REDUCTION RATIO		LENGTH (mm)																													
DANA Specifications QF1001, Rev No.02, Dtd: 12.05.2020		50562		20MNCRS		50 DIA		20:37:1		5770-40																													
INVOICE NO.		QTY (MT)		BUNDLE		VEHICLE NO.																																	
5E24Y-12002		7.430		4		JH05DNZ199																																	
COLOUR CODE																																							
Yellow + Brown																																							
III. JOMINY HARDENABILITY (in HRC)																																							
(Distance Unit: mm) (Standard: ASTM A255)																																							
<table border="1"> <tr> <th>J1.5</th> <th>J5</th> <th>J10</th> <th>J15</th> <th>J20</th> <th>J25</th> <th>J30</th> </tr> <tr> <td>Min</td> <td>41.0</td> <td>38.0</td> <td>32.0</td> <td>29.0</td> <td>25.5</td> <td>24.5</td> </tr> <tr> <td>Max</td> <td>46.0</td> <td>44.0</td> <td>38.5</td> <td>35.5</td> <td>32.0</td> <td>31.0</td> </tr> <tr> <td>Actual</td> <td>45.5</td> <td>42.5</td> <td>38.2</td> <td>32.8</td> <td>26.7</td> <td>24.5</td> </tr> </table>												J1.5	J5	J10	J15	J20	J25	J30	Min	41.0	38.0	32.0	29.0	25.5	24.5	Max	46.0	44.0	38.5	35.5	32.0	31.0	Actual	45.5	42.5	38.2	32.8	26.7	24.5
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IV. METALLOGRAPHY																																							
Tensile Properties (Quenched & Tempered) (ASTM A370)				Impact Test (Charpy)				Hardness																															
YS [MPa]				UTS [MPa]				% EL																															
Min				930				1230																															
Max				1570				15.8																															
Actual				1051				42.7																															
% RA				7				38																															
Inclusion Rating (ASTM E45 Method A)				Grain Size				Total Decarb (mm)																															
A				B				C																															
T				H				D																															
2.0				1.5				1.0																															
Actual				1.5				0.22																															
V. OTHER TESTS																																							
Macrostructure				Step Down				Upset																															
(ASTM E-381)				(IS 4075)				-																															
C2R1.53 Max				OK				-																															
Better Than C2R52				-				-																															
VI. REMARKS:																																							
Dimension tolerance: as per IS 3739 Grade - 1																																							
Microstructure: Uniform Ferrite + Pearlite																																							
Banding is Ok As per UNI 8449																																							
The material is comply with ROHS (Pb,Cd,Hg,Cr+6) permissible limits.																																							
Material is conforming to the customer specification.																																							
Inspection Certificate as per EN10204:2004, Type 3.1																																							
<div style="display: flex; justify-content: space-between;"> <div> <p>Prepared By: <i>Arshad Khan</i></p> <p>Reviewed & Issued By: <i>Jameer Basia</i></p> </div> <div> <p>Authorised Signatory: <i>Ranjana Das</i></p> </div> </div>																																							