Adhynik

ADHUNIK METALIKS LIMITED QUALITY ASSURANCE TEST CERTIFICATE

FORMATE NO. :-F/QA 02/02

AUTHORISED SIGNATORY

							FUR	WATENC	r/QA	UZIUZ
M/S FORGE INDIA PVT.LTD (UNIT-II) - PARWANOO							DATE T.C NO.	31.12.2017 AML-C2660		
			_ (====================================	,			TR.No			
ROUTE:-MB	F->EAF->LF	RF->VD/CCN	/I With EM	S/RM			INVOICE			
GRADE	SIZE	HEAT No.		OLOUR CO	DDE	SUPPL	Y COND.			
20MnCr5							OLLED			
			CHEMICA		SITION IN PE					
	С	Mn	Si	Р	S	Cr	Ca	Cu	V	Al
Min	0.17	1.10	0.15	0.000	0.020	1.00	0.000	0.000	0.0010	0.020
Max	0.22	1.40	0.40	0.035	0.035	1.30	0.001	0.250	0.0030	0.060
Actual Value	0.185	1.15	0.25	0.025	0.031	1.02	0.0006	0.028	0.0021	0.028
	1			CAL RESUL			1 3,3333			1
INCLUSION RATING IS: 4163/JK CHART								Aust.Grain	Decarb	Micro-
								Size	mm	Structure
А		В		С		D		ASTM No	Partial	
								E-112		
T	Н	Т	Н	Т	Н	Т	Н			
<u> </u>	1				1	<u> </u>		6.0-7.0	0.20mm	P+F
1.00	0.50	1.00	0.0			1.00		0.0	0.20	
	0.00	1.00	0.0							
MECHANICAL PROPERTIES								MACRO	ULTRA	MIX UP
	U.S.T	Y.S.	EL%	RA%	Impact Val		Hardness	1	SOUND	TESTING
	(kg/mm2)	(Kg/mm ²)	LL/0	10,170	Charpy/ IZ0	Step Down test and	B.H.N.	BETTER	000110	100%Spark
	(MPA)	(MPA)			(JOULES)	acting bar	D.11.14.	THAN		test and
Reqd.	(1411 71)	(1411 71)			(000220)	test found		C2R2S2		found OK
rtequ.						OK	182	0211202		lourid OK
A at . a l						OK	102			
Actual										
	J4/16						Ī	N ₂	H2	O 2
Reqd.	36-40						Min	-	-	-
Actual	30-40						Max	_		
Actual	31				-					
							Actual	77	1.3	17
D	Material is free from all kinds of RR: 7					BILLET SIZE : 200 X 200 MM				
Remarks:			KINGS OF		RR : 7		RILLE I SI	∠⊏ : ∠00 X 2	UU IVIIVI	
	Radio Activ	e Elements								
							FOR	A D. F. F. F.		****
Certified that	_						FOR	ADHUNIK	METAL	AKS LTD
actual results		on samples	drawn as p	er					Pa)	7
Quality Assur	rance Plan								1 00	

PREPARED BY