



METAFORGE ENGINEERING (I) PVT LTD

HEAT TREATMENT PROCESS VALIDATION REPORT

FORMAT NO : F-HT-022

REV NO : 00

DATED : 08.07.2020

PART STATUS : DEVELOPMENT / PRODUCTIONIZED

PROCESS NAME : ANNEALING PROCESS

MATERIAL : 1010

PART NAME : 520KS0502 RIVET

REQUIRED SPECIFICATION : 50-68 HRB

DATE OF VALIDATION : 08.09.2023

RAW MATERIAL COIL HARDNESS

1	2	3	4	5	6	7	8	9	10	11	
75	77	75	78	77	76	76	79	80	79	78	79

ASFORGED HARDNESS OBSERVATION

1	2	3	4	5	6	7	8	9	10	11
94	95	96	94	93	92	94	95	96	95	96

TRAILS	TEMPERATURE	QTY	IN TIME	OUT TIME	SOAKING TIME	UNLOADING TEMP	REMARKS
1	680	110 Kg	08.30 am	11.40 am	120 MINT	570	OK

AFTER ANNEALING HARDNESS OBSERVATION

TRAILS	1	2	3	4	5	6	7	8	9	10	REMARK
1	65	60	61	62	63	58	60	61	63	60	OK

PREPARED BY :

VERIFIED BY :



APPROVED BY :