



NEW TECH FASTENERS

C70, 5Th Cross, Devasandra Industrial Estate, Mahadevpura Post, Bangalore-560048

ISO 9001-2015&WOAD2000 PED2014-68/EU-CERTIFIED COMPANY

INSPECTION CERTIFICATE (CERTIFICATION TO EN 10204 -3.1)

CUSTOMER: JC VALVULAS INDIA PVT LTD			REPORT NO.: 73242	Date: 31/01/2020
PO NO.:	INVOICE NO.:	INVOICE DATE:	ITEM DESCRIPTION:	QTY.:
JCCMP-1920002115	2916 /19-20	03-01-2020	X06-077-1300-209_HHN_1 1/2X8UN_2HM_ZINC PLATED	700

Material Specification :AS PER ASTM A194/A 194M-2018 Quality Plan:

Chemical Properties : 2HM, RMR No : 4200

Constituents		C%	Mn%	Si%	P%	S%
SPECIFICATION (Material Composition % by Wt)	Min.	0.400	---	---	---	---
	Max.	---	1.000	0.400	0.040	0.050
Achieved Values		0.460	0.000	0.220	0.011	0.005

OBSERVATION: The Sample was macro etched and observed plate II AS PER ASTM-E-381. Inclusion rating is as per ASTM E 45A, thin thick Series ≤ 2.00.
REMARKS: The Sample was free from flute, crack, seams, butt tears, splash and gassy appearances.

Thread Fit:1 1/2"X8UNC-2B

Heat Treatment:2HM, Batch No: 3453

Constituents		Hardening Temp °C	Tempering Temp °C	Hardness HRC
SPECIFICATION	Min.	---	620	---
	Max.	---	---	22
Achieved Value		830	620	17-21

Retempering test done at 540°C After 24Hrs slow cool Specified (min HRB):- 84 Observed HRB:- 89-90

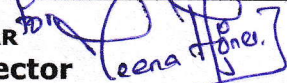
Mechanical Properties:2HM, Ref No: PL-119

Constituents		Proof Load (KN)
Specified Values(min)		995.910
Achieved Value		710.000*

IDENTIFICATION:- PUNCHED AS N-2HM Traceability code:

REMARKS:-Due to limited machine capacity, proof load was applied only upto 710.00*KN, as per ASTM A194/A 194M class 8.2.2.1, item cleared on minimum hardness basis. & confirms to ANSI / NACE MR 0175/ISO15156-2015 &ANSI/NACE-MR0103/ISO17945-2015standard. -Above fasteners 100% hardness checked and found within the limits.

NOTE:- We confirm that materials were manufactured, sampled, tested, and inspected in accordance with standards/drawings, and material specifications and is found meeting the requirements.	Surface Finish	As Per ASTM-B633 (SC3-TYPE 2) Zinc Chromate with trivalent Blue, Done On Fasteners.
	Specified Value	12μ
	Achieved Value	17-23μ
	Result	Found Satisfactory

K SUNIL KUMAR Work Inspector  R.V.BASAVARAJ Work Supervisor 