Sales Order Number: 493438 Line: 3
Lot #: 66552D-045 MFG Lot #: 222L059-98
Finished Product Code: W436062G-I
Finished Description: 5/8" FLAT WSHR, F436 GALV

CERTIFICATE OF INSPECTION

COUNTRY OF ORIGIN: CHINA

Date: 2022-7-21
ISO NO: 15-20Q5542R41
Expire: 21-Mar-23

Manufacturer: ZHEJIANG GUORUI CO.,LTD.
Address: No.283 Chengxi North Road,Wuyuan Town,Haiyan Zhejiang,P.R.China
Commodity: F436 HARD ROUND STRUCTURAL FLAT WASHER WITH MFG'S I.D.&F436 ON FACE
Size: 5/8 X 1-5/16
Lot NO.: 222L059-98
Ship quantity: 172,800 MPCS
Finish: HDG

CUSTOMER PART NO.: 357068
MANUFACTURING DATE: 2022.4.30
HEAT NO.: 20412757
MATERIAL: 45# CARBON STEEL

PLATING SPEC. PER ASTM F2329/F2329M-15

DIMENSIONAL INSPECTION ACCORDING TO ASTM F436/F436M-18a

INSPECTION ITEM	SAMPLE SIZE	SPECIFIED	ACTUAL RESULT	ACCEPT	REJECT	TEST FACILITY
Appearance	46	ASTM F436/F436M-18a	OK	46	0	M
Marking	46	F436 AND JLX	OK	46	0	M
OUTSIDE DIA	8	1.345-1.281	1.285-1.294	8	0	M
INSIDE DIA	8	0.720-0.688	0.693-0.704	8	0	M
Thickness	8	0.177-0.122	0.136-0.137	8	0	M
PLATING THICKNESS (ANY INDIVIDUAL SPECIMEN)	4	0.0015 MIN	0.0017-0.0022	4	0	M
PLATING THICKNESS (AVERAGE OF SPECIMENS TESTED)	4	0.0017 MIN	0.0019-0.0021	4	0	M

CHEMICAL COMPOSITION ACCORDING TO ASTM F436/F436M-18a TYPE 1 TEST FACILITY : S

CHEMICAL ELEMENT (%)	C	Mn	P	S	Si	Cr	Mo	Ni	Al	Ti	V
SPECIFIED			0.040 MAX	0.050 MAX							
TEST RESULT	0.44	0.59	0.018	0.004	0.23						

MECHANICAL PROPERTIES ACCORDING TO ASTM F436 F436M-18a

TEST ITEM	SAMPLE SIZE	SPECIFIED	ACTUAL RESULT	ACCEPT	REJECT	TEST FACILITY
HARDNESS (HRC)	8	26-45	31-36	8	0	M

WE CERTIFY THAT THIS DATA IS A TRUE REPRESENTATION OF INFORMATION PROVIDED BY THE MATERIAL SUPPLIER AND OUR TESTING LABORATORY

THE REPORT IS ISSUED ACCORDING TO ISO16228 F3.1(EN10204 3.1).

SIGNATURE: GAOGUANGCHENG TITLE: QC MANAGER

The above described product was manufactured, sampled, tested and inspected in accordance with the required specification, including any supplementary requirements or other requirements designated in the purchase order or contract and were found to meet those requirements.