



**EN CORPORATION**

Lot 2, 4 & 6, Block 16, Phase IV, Cavite Export Processing Zone  
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**INSPECTION CERTIFICATE**

EN10204 3.1

CERTIFICATE NO.: N-2103010-010

DATE : 2021/03/16

PURCHASER:

P. O. NO.: 262040-00

S/C NO. : U101DG

PRODUCT : CARBON STEEL FORGED FITTING

HEAT NO.	Q'TY.	DESIGNATION	SPECIFICATION
LF139	30	3" S/W COUPLING 3000LB	ASME B16.11-2016/MSS SP25-2018

**CHEMICAL ANALYSIS OF MATERIAL**

HEAT NO.	C	Mn	Si	P	S	Cr	Ni	Mo	V	SPECIFICATION
Maxi	0.35	1.05	0.35	0.035	0.040	0.30	0.40	0.12	0.08	ASTM A105-18
LF139	0.20	0.81	0.24	0.008	0.004	0.02	0.01	0.0078	0.0026	ASME SA105-18

**MECHANICAL CHARACTERISTICS**

HEAT NO.	T.S. (MPA)	Y.S. (MPA)	%-E.L.	%-R.A.	HEAT-TREAT.	HARDNESS	DIMENSION	P.M.I.
Mini	485	250	22	30	°C	≤197 HBW		
LF139	520	350	22	66	°C	134-139HBW	OK	OK

Pb CONTENT: < 0.010%

C E: 0.36  
Cu: 0.03

MATERIAL IS IN ACCORDANCE WITH NACE MR0175-2015, ISO 15156-2015, NACE MR0103-2015/ISO 17945:2015, ISO 9001: 2015 COMPLIANT. PED 2014/68/EC (ANNEX I PARAGRAPH 4.3) CERTIFIED. PRODUCTS WERE MANUFACTURED, SAMPLED, TESTED AND INSPECTED IN ACCORDANCE WITH A105-2018 AND HAVE BEEN FOUND TO MEET THE REQUIREMENTS.

ALL MATERIAL SUPPLIED IS CERTIFIED TO BE FREE OF MERCURY CONTAMINATION AND NO MERCURY BEARING EQUIPMENT WAS USED DURING MANUFACTURING.

COUNTRY OF ORIGIN: PHILIPPINES

ARNEL ROJAS

QUALITY ASSURANCE MANAGER