



BW FITTINGS CO., LTD

LOT 61C1 LONG GIANG INDUSTRIAL PARK, TAN LAP 1 COMMUNE, TAN PHUOC DISTRICT, TIEN GIANG PROVINCE, VIETNAM

MILL TEST CERTIFICATE
IN ACC TO EN-10204 3.1

CUSTOMER
PURCHASE ORDER : 505/005028
COMMODITY : CARBON STEEL BUTTWELD FITTINGS

Table with 2 columns: Field (MTR NO., Date of issue, Material Specification, Material, Dimensional Specification, PAGE) and Value (20190122-0001, 22-Jan-18, ASTM A234-14/ASME SA234-14, WPB, ASME B16.9 - 12, )

Chemical Analysis

Table with 16 columns: ITEM NO, Item Description, HEAT NO., QTY, %C, %Si, %Mn, %P, %S, %Cu, %Ni, %Cr, %Mo, %V, %CE, %Nb. Rows 11-15.

Table with 14 columns: ITEM NO, Item Description, HEAT NO., YS Mpa, TS Mpa, E/L %, Hardness (HB), HEAT TREATMENT, Impact Akv (J), Red Area %, PMI Test, X-RAY Test, MT Test, Visual Dimension. Rows 11-15.

NOTE: A: HOT FORMED WITH FINAL TEMPERATURE BETWEEN 820-980, AIR COOLING
S: STRESS RELIEVING 675±0.5 H.R. AIR COOLING
YS: (YIELD POINT) TS: (TENSILE STRENGTH) E: (ELONGATION)

We hereby certify that

- 1. The product described has been manufactured in accordance with ANSI B16.9-2012 which was approved as an American National Standard on December 7, 2012.
2. And also with the purchaser's requirements and that the test result shown here are in accordance with ASTM A/SA234 WPB.
3. The products are seamless
4. The starting material for elbows, tees and reducers is seamless pipe. The starting material for cap is plate.
5. NO WELD REPAIR
6. MERCURY FREE
7. MANUFACTURED IN VIETNAM

QA DEPARTMENT



NGUYEN VAN TRUNG

Stock 4709897 04/26/2019
MATCONOR MN90LR08 2IN LR 90
BW A234 ELBOW

2" STD LR 90 WELD ELL

Heat # 233584