



Head Office : 395/5 Silom Road, BangRak, Bangkok 10500, Thailand, Tel: (662)-2377230-40 Fax : (662)-2366627, 2377241
Production Plant : 33/3 GP. 7, Soi Pon-Chareon, K.M. 16.5 Bangna-Trad Road, Bangplee, Samutprakan 10540, Thailand
website : www.ttu.co.th email address : sale001.ttu@ttugroup.com, chris.ws@ttugroup.com

MANUFACTURER'S CERTIFICATE

(Mill Test Certificate) DIN 50049-3.1-B / EN 10204-3.1

Table with 4 columns: Purchaser, Product, Specification, Certificate No, Order No, Date, L/C No. Values include PLESA ANAHUAC Y CIAS, SA DE C.V., CARBON STEEL FITTINGS, ASTM A-234 WPB - 2011A, ASME SA234 WPB, 130100, PO. 13745, FEBRUARY 25, 2013, M929152.

Table with 4 columns: Raw Material Standard, Inspection Standard, Visual Inspection, Dimensional Inspection. Values include PIPE: ASTM A106 B / A53B / API5LB, PLATE: ASTM A516 Gr 50 / 60, ANSI B16.9, ANSI B16.28, PASS, PASS.

Table with 5 columns: Product & Size (inch), Heat ID., Quantity, Heat NO., Raw Material Maker. Lists 11 items of 90 ELBOW LR STD with various sizes from 1 1/2" to 20" and their respective quantities and heat numbers.

Table with 18 columns: Standard, Chemical Composition (%), Mechanical Test, Average Hardness, CE Long Formula. Includes rows for Min. and Max. values and a detailed list of 11 items with their chemical and mechanical properties.

- We hereby certify that the products described herein have been manufactured, inspected and conforms to standard as specified above.
ALL FITTINGS ARE HEAT TREATED TO MEET NACE MR0175-03 STANDARD SPECIFICATION AT 650-680 C x 1.0 HR.
CE = C + (Mn/6) + (Cr + Mo + V)/5 + (Ni+Cu)/15
ALL TEES ARE TESTED BY MAGNETIC PARTICLE EXAMINATION (MT)

Handwritten signature and blue circular stamp of the Chief of Quality Assurance Dept.