



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

MILL CERTIFICATE / PRODUCTION CERTIFICATE
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, 120676, PO. 13745, AUGUST 11, 2012, M928369.

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 6 columns: Product & Size (inch), Heat ID., Quantity, Heat NO., Raw Material Maker. Lists 11 items with details like CON RED STD, ECC RED STD, sizes, heat IDs, quantities, and heat numbers.

Table with 18 columns: Standard, Chemical Composition % (C, Si, Mn, P, S, Cu, Ni, Cr, Mo, V, Nb, Al), Mechanical Test (YS, TS, E), Average Hardness, CE Long Formula. Includes Min. and Max. values and a list of 11 items with their respective 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 stamp: Chief of Quality Assurance Dept