



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, Samutprakran 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

Purchaser : PLESA ANAHUAC Y CIAS. SA DE C.V. Certificate No : 140012
Product : CARBON STEEL FITTINGS MADE FROM SEAMLESS PIPES Order No : PO. 17201
Specification : ASTM A-234 WPB - 2011A Date : DECEMBER 28, 2013
: ASME SA234 WPB L/C No : M930449

Table with 4 columns: Raw Material Standard, Inspection Standard, Visual Inspection, Dimensional Inspection. Rows include ASTM standards and inspection results (PASS).

Table with 5 columns: Product & Size (inch), Heat ID., Quantity, Heat NO., Raw Material Maker. Lists 11 items including 90 ELBOW LR SCH40, 45 ELBOW LR SCH40, and CON RED SCH40.

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 respective chemical and mechanical properties.

COUNTRY OF EXPORT : THAILAND
COUNTRY OF ORIGIN : THAILAND

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

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)

Chief of Quality Assurance Dept