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MANUFACTURER'S CERTIFICATE

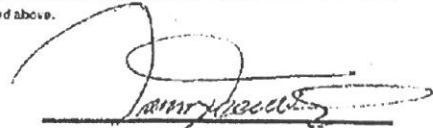
(Mill Test Certificate) DIN 50049-3.1-B / EN 10204-3.1

| | | | |
|---------------|-------------------------------------|----------------|-------------------|
| Purchaser | : PLESA ANAHUAC Y CIAS., SA DE C.V. | Certificate No | : 130506 |
| Product | : CARBON STEEL FITTINGS | Order No | : PO. 16082 |
| Specification | : ASTM A-234 WPB / NACE MR -01-75 | Date | : AUGUST 10, 2013 |
| | : ASME SA234 WPB | L/C No | : M929849 |

| Raw Material Standard | Inspection Standard | Visual Inspection | Dimensional Inspection | |
|---|---------------------------|-------------------|------------------------|--------------------|
| PIPE : ASTM A106 B / A53B / API5L B PLATE : ASTM A516 Gr 50 / 60 | ANSI B16.9 ANSI B16.28 | PASS | PASS | |
| Product & Size (inch) | Heat ID. | Quantity | Heat NO. | Raw Material Maker |
| 1 45 ELBOW LR XH 3" | 41806 | 30 | 824162 | 2554-806 |
| 2 45 ELBOW LR XH 4" | 41811 | 50 | 11-701 | 2554-811 |
| 3 45 ELBOW LR SCH80 12" | 41161 | 1 | 1-61430 | 2554-161 |
| 4 TEE XH 2 1/2" | 48477 | 10 | 210-248 | 2554-477 |

| Standard | Chemical Composition % | | | | | | | | | | | | Mechanical Test | | | Average Hardness | CE Long Formula |
|----------|------------------------|-------|-------|--------|--------|-------|-------|-------|-------|-------|--------|--------|-----------------|--------|----|------------------|-----------------|
| | C | SI | Mn | P | S | Cu | Ni | Cr | Mo | V | Nb | Al | YS | TS | E | | |
| | x 100 | x 100 | x 100 | x 1000 | x 1000 | x 100 | x 100 | x 100 | x 100 | x 100 | x 1000 | x 1000 | psi | psi | % | Hb | x 100 |
| Min. | - | 10 | 29 | - | - | - | - | - | - | - | - | - | 35,000 | 60,000 | 30 | - | - |
| Max. | 30 | - | 106 | 48 | 58 | 40 | 40 | 40 | 15 | 8 | - | 50 | - | 85,000 | - | 197 | 42 |
| 1 | 18 | 19 | 51 | 15 | 8 | 3 | 2 | 3 | - | - | - | - | 48200 | 70400 | 36 | 155 | 38 |
| 2 | 19 | 23 | 47 | 15 | 17 | 8 | 9 | 6 | - | - | - | - | 48200 | 70400 | 35 | 157 | 39 |
| 3 | 15 | 26 | 78 | 17 | 14 | <1 | 1 | 3 | <1 | 2 | - | - | 49500 | 71200 | 40 | 145 | 30 |
| 4 | 18 | 19 | 47 | 5 | 9 | 7 | 2 | 5 | - | - | - | - | 46400 | 67900 | 31 | 141 | 38 |

* 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 850-880 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