

MTL

Mechanical Testing Laboratory
Metallurgical Dept. – Building No. 32
Faculty of Engineering – Cairo University



Testing
CAB # 413004B



معمل الاختبارات الميكانيكية
قسم الفلزات - مبنى رقم 32
كلية الهندسة - جامعة القاهرة

Test Report

| | | | |
|----------------|-----|----------------|----------|
| Test Request # | 777 | Specimen(s) ID | 4-19/892 |
|----------------|-----|----------------|----------|

The MTL adopts the management systems that fulfills the requirements of the international standard ISO/IEC 17025
Accreditation Status Tensile, Hardness, impact, chemical tests are accredited in accordance with ISO 17025:2017

| | | | |
|---|-------------------------------|------------------|------------|
| Date of request: | 10/12/2019 | Number of pages: | 2 |
| Test(s) Required: | Hardness+ Chemical | | |
| Test method (Mechanical) | Tension(ASTM E8/16) | | |
| Test method(Chemical) | Low alloy steel(ASTM E415/17) | | |
| Test item description: | كوع ¼ بوصة تايلندي | كابلندي | |
| Company | بايب اسنيم | | |
| Date of Performing Test | 17/12/2019 | Test Report Date | 17/12/2019 |
| Temperature, °C | 22 | Humidity, % | 38 |
| <ul style="list-style-type: none">Specimen details and conditions (shown above) are supplied by the customer; hence the lab bears no responsibility regarding these details.The Un-machined specimen was sent by the customer. | | | |

1-Chemical Test:

Test Equipment: ARL 3460 Spectrometer Arc/Spark OES.
Serial No.:4545-AD

| ID(s)/Avg. of 2 Runs of each ID | Elements analyzed, % | | | | | | | | | | | | | |
|---------------------------------|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | C | Mn | Si | P | S | Ni | Cr | Cu | Mo | V | Ti | Al | B | Nb |
| 4-19/892 | 3.537 | 0.325 | 1.334 | 0.010 | 0.006 | 0.015 | 0.033 | 0.014 | 0.005 | 0.001 | 0.007 | 0.002 | 0.003 | 0.000 |

Test conducted by: A.A

Signature: _____

- The test results represent a sample provided – by the customer - to the Lab only and do not represent the quantities of production or any other quantities belongs to the customer.
- Reports issued by the Lab are confidential and belong to the requesting party alone and cannot be given to any other party.
- The lab responsibility of delivering the rest of sample(s) to the customer expires after 15 days after the test report issuance date or due to the depletion of the sample(s) during test.

| | |
|-------------------|--------------------------------|
| Technical Advisor | Lab. Manager / Lab. Supervisor |
| | Prof. Dr. Randa Abdel-Karim |
| Signature: | Signature: |

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