

# boltex mfg. co., l.p.

4901 Oates Road Houston TX 77013  
(713)675-9433 Fax: (713)672-6527

|              |          |
|--------------|----------|
| ORDER NUMBER | 0006152  |
| PO NUMBER    |          |
| ORDER DATE   | 04/17/08 |

## MATERIAL TEST REPORT

|                  |        |                  |        |
|------------------|--------|------------------|--------|
| S<br>O<br>L<br>D | BOLTEX | S<br>H<br>I<br>P | BOLTEX |
|                  |        |                  |        |

### ITEMS

| Ln# | Qty | Description      | Matl Spec  | Heat Code | Mill Heat Number |
|-----|-----|------------------|------------|-----------|------------------|
| 001 | 1   | 8" 600 RF WN STD | SA105-N-05 | E875      | RE5970505        |

### CHEMICAL PROPERTIES

| HEAT CODE | C     | SI    | MN    | P     | S     | CR    | AL    | CU    | NI    | MO    | V     | CB    | CE    |       |       |       |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| E875      | 0.210 | 0.190 | 1.110 | 0.013 | 0.018 | 0.110 | 0.022 | 0.150 | 0.090 | 0.040 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.441 |

### PHYSICAL PROPERTIES

| HEAT CODE | TENSL | YIELD | %ELONG | %R.A. | BHN | CHARPY | FT-LBS | LAT EXPSN | SHR FRACT | TEST TEMP |
|-----------|-------|-------|--------|-------|-----|--------|--------|-----------|-----------|-----------|
| E875      | 74900 | 45800 | 32.00  | 64.76 | 156 |        |        |           |           |           |

### NOTES

| HEAT CODE | NOTE  |
|-----------|---|
| E875      | NORMALIZED, TEMP/1650F, TIME @ TEMP/1 HR PER INCH, AIR COOL |

We certify our flanges are capable of passing a hydrostatic test compatible with their rating and all test results and process information contained herein are correct and true as contained in company records. All Flanges meet NACE MRO-175 and/or MRO-10: Latest Revision. Our Quality system has been registered by ABS to ISO 9001, certification no.: 30696  
Test results complies with: EN 10204-3.1.  
Our flanges satisfy the material requirements for PED 97/23/EC annex 1-4.3.

Notwithstanding the absence of a signature, the organization submitting either a printed certificate or an EDI transmitted certificate is responsible for content of the report. (ASTM A961/A 961-04a Section 19.4)