

18 FOE80

811V01390

Certificate of Mill Test Results

R. Backes

ArcelorMittal Burns Harbor Plate

| | | | | |
|-----------------------|---------------|---------------------|-----------|------|
| RECEIVED | DATE RECEIVED | CORPORATION | QUANTITY | PAGE |
| 802-32514 | 12-07-11 | CH-NOLA-BEHE | CR 518107 | 6 |
| CHAPL STEEL CO | | CHAPL STEEL HOUSTON | | |
| PO BOX 1000 | | RAIL SITE 720703 | | |
| SPRING HOUSE PA 19477 | | HOUSTON TX | | |

| THICKNESS | WIDTH | LENGTH | WEIGHT | YIELD POINT | TENSILE STRENGTH | ELONG. | REDUCED |
|-----------|--------|--------|--------|-------------|------------------|--------|---------|
| INCHES | INCHES | INCHES | POUNDS | PSI | PSI | IN | % |

QUALITY STEEL MELTED & MANUFACTURED IN THE U. S. A.
 PLATES - ASME SA516 GR 70 FVQ 2010 EDITION
 MOD C.23 MAX P.025 MAX S.015 MAX
 ELONG 218 (2"), ASME SA516 GR 65
 FVQ 2010 EDITION, ASME SA516 GR 60
 FVQ 2010 EDITION, CR-V SA2088 PLT L
 20/15 FIBER AT -30F --- PLT NORM &
 COOL IN STILL AIR-TBST CRTS ARE PREPARED IN ACCORDANCE WITH
 PROCEDURES OUTLINED IN EN 10204:2004-TYPE 3.1
 NO WELD REPAIR WAS PERFORMED ON BELOW PLATE(S)

| | | | | | | | | | | | | | | |
|-----------|--------------|-----|--|-----|----|-----|-------|-------|-------|---|----|--|--|--|
| CO# | HOT-5204 | SE | 826-0594G | | | | | | | | | | | |
| PLATES | HEAT TREATED | - | TEST SPECIMENS ATTACHED & YIELD STRENGTH @ .5% SLL | | | | | | | | | | | |
| K933092 | 811V01390 | 1 | 2 | 3/4 | 96 | 240 | 17969 | 48000 | 77100 | 2 | 35 | | | |
| | | | | | | | | | | | | | | |
| (M55)MPST | REF#: | 008 | | | | | | | | | | | | |
| K933093 | 811V01390 | 1 | 2 | 3/4 | 96 | 240 | 17969 | 48300 | 77000 | 2 | 34 | | | |
| | | | | | | | | | | | | | | |
| (M55)MPST | REF#: | 008 | | | | | | | | | | | | |

COOLING TEMPERATURE: _____

| SERIAL NUMBER | PART NO. | HEAT NUMBER | HARDENING | TEMP | THICKNESS INCHES | TYPE | SIZE | ORIENT | SHORT LEGS | | | LONG LEGS | | | LONG LEGS | | | |
|---------------|----------|-------------|-----------|------|------------------|------|------|--------|------------|-----|-----|-----------|---|---|-----------|---|---|--|
| | | | | | | | | | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | |
| K933092 | | 811V01390 | | | 2.750 | V | FULL | L | -30 | 102 | 100 | 85 | | | | | | |
| K933093 | | 811V01390 | | | 2.750 | V | FULL | L | -30 | 91 | 82 | 91 | | | | | | |

| HEAT NUMBER | CHEMICAL ANALYSIS | | | | | | | | | | | | MAGNIFIED | | | | |
|-------------|-------------------|------|------|------|------|------|-----|-----|------|------|------|------|-----------|------|------|------|--|
| | C | Mn | P | S | Si | Ca | Al | Cr | Ni | V | N | O | | H | As | | |
| 811V01390 | .19 | 1.08 | .014 | .005 | .346 | .210 | .18 | .04 | .039 | .002 | .002 | .038 | .0002 | .002 | .004 | .004 | |

I hereby certify that the above results are a true and correct copy of actual results obtained in accordance with the methods prescribed by ArcelorMittal Burns Harbor Plate in full compliance with the requirements of the applicable code of practice. This test report should be allowed and used for the purpose of the contract with any reference to the party test report. # 811V01390

D. W. ELWOOD PER MGR

SUPPLY QUALITY ASSURANCE