



SILCOTUB SA

Quality and Service
B.D. SIBIU VITELZI NO.13
7100 ZALAU
ROMANIA

MILL TEST CERTIFICATE
ACCORDING TO EN 10300-1.3

DATE: 14.02.2002
ORDER NO. PD-187938

SPECIFICATION

ASTM A 108/199C; ASTM A 53/199C

OFFERCO SA
VIA SAOULTEA
P.O. BOX 110
HUNZTERLAND

MATERIAL
GRADE B

WAGON NO.:
SWAP BODY NO.:
TRUCK NO.:

No. 8
PAGE 1 OF 1

| NO. | SIZE | HEAT NUMBER | NUMBER OF PIECES | NUMBER OF PIECES | LENGTH IN METERS | WEIGHT IN MT | NUMBER OF BUNDLES | ITEM | LOT |
|-----|-------------------------------|-------------|------------------|------------------|------------------|--------------|-------------------|------|-----|
| 1 | 4" X 0.237 (114.30 X 6.02 mm) | 34016 | 342 | 612 | 3730.752 | 59.905 | 32 | 6 | |

DESCRIPTION
189.214MT OF SEAMLESS STEEL TUBING ORDER CONFIRMATION 187938
(OFFERCO REF. NO. 187938)

PRODUCT ANALYSES

| No. | HEAT | Sample no. | CHEMICAL COMPOSITION % | | | | | | | | | | | Hardness | Bending | Flaring | Hardness | Microscopic PH | NONDESTRUCTIVE TEST |
|-----|-------|------------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|----------|---------|---------|----------|----------------|---------------------|
| | | | C | Mn | Si | P | S | Cr | Ni | Mo | Cu | V | | | | | | | |
| 1 | 34016 | 39181 | 0.179 | 0.560 | 0.244 | 0.010 | 0.007 | 0.137 | 0.006 | 0.008 | 0.164 | 0.001 | | | | | | 2210 | |
| 2 | 34016 | 39182 | 0.177 | 0.565 | 0.244 | 0.010 | 0.007 | 0.137 | 0.006 | 0.008 | 0.164 | 0.001 | | | | | | 2210 | |
| | 34004 | 39183 | 0.177 | 0.579 | 0.287 | 0.007 | 0.004 | 0.083 | 0.005 | 0.007 | 0.185 | 0.002 | | | | | | | |
| | 34004 | 39184 | 0.175 | 0.573 | 0.288 | 0.007 | 0.004 | 0.064 | 0.005 | 0.007 | 0.185 | 0.002 | | | | | | | |

MECHANICAL PROPERTIES

| No. | HEAT | Sample no. | Dimensions Inch x Inch | Section Inch | Length Inch | Tensile Strength | | Yield Strength | | Elongation | | TEMP. | IMPACT |
|-----|-------|------------|---------------------------|-----------------|----------------|------------------|-------|----------------|-------|------------|-------|-------|--------|
| | | | | | | Reqd. | Act. | Reqd. | Act. | Reqd. | Act. | | |
| 1 | 34016 | 39181 | 1.00 x 0.24 | 0.25 | 2.00 | 66000 | 71896 | 35000 | 43085 | 23.00 | 30.50 | | |
| 2 | 34004 | 39183 | 1.00 x 0.25 | 0.25 | 2.00 | 66000 | 71221 | 35000 | 43181 | 23.00 | 31.40 | | |

ACCEPT THAT THE MATERIAL, SUPPLIED FROM OFFERCO SA, MANUFACTURED WITH THE ASSURED QUALITY AND THAT THE TEST RESULTS ARE CORRECT AND CORRESPOND TO THE RECORDS OF THE COMPANY

SIGNATURE

QUALITY DEPT. CHIEF
FR. TERESIU BRUDEI

