

CERTIFICATE OF ANALYSIS

Customer : SPECIALISED WELDING PRODUCTS LIMITED Lot No.: 11003 Order No.: 176

Brand: Self-Shielded FCW AWS E71T-GS Size: φ0.8 mm Weight: 670 kg

Diameter Variation: ±0.05 mm

Chemical Composition of deposited metal (%)

| Item | C | Mn | Si | P | S | Ni | Al | Mo | Cr | V |
|----------|-------|-------|-------|-------|-------|----|------|----|----|---|
| Standard | ≤0.18 | ≤1.75 | ≤0.60 | ≤0.03 | ≤0.03 | / | ≤1.8 | / | / | / |
| Test | 0.18 | 0.80 | 0.21 | 0.009 | 0.008 | / | 1.25 | / | / | / |

Mechanical Properties of Deposited Metal

| Item | Yield Point σ _s (MPa) | Tensile Strength σ _b (MPa) | Elongation δ ₅ (%) | Charpy V-notch Impact Toughness | | |
|----------|----------------------------------------|---------------------------------------------|-------------------------------------|---------------------------------|----------------------|----------------|
| | | | | Test Temp. (°C) | Impact Energy (J) | Average (J) |
| Standard | ≥400 | ≥480 | ≥20 | / | / | / |
| Test | 450 | 530 | 23 | / | / | / |

Non-destructive testing: /

Fillet weld test: PASS

Inspector: 张从欣

Quality Director: 马学强

