



300 Aluma Drive
TEXARKANA, TEXAS 75501 USA

DATE 11/18/2022
HEAT 22TA1796
LOT 22TA1796-21
COIL 221796T21A

BIRMINGHAM, AL

PO # 0208094 DATE 11/18/2022 YOUR ORDER & DATE
CUSTOMER # PHOENIX METALS CO.-BIRMINGHAM

ITEM DESCRIPTION

.100" X 48" S052-H32 ALUM COIL

Country of Mfg. : U.S.A.

SPECIFICATIONS

ASTM B209-21A, AMS 4016M, AMS QQ A250/8

MECHANICAL PROPERTIES

| | RESULTS | STANDARD | | | RESULTS | STANDARD | |
|----------------|---------|----------|-----|-----------------------|---------|----------|------|
| | | MIN | MAX | | | MIN | MAX |
| ELONGATION (%) | 11 | 7 | | | | | |
| | | | | TENSILE STRENGTH, KSI | 32.8 | 31.0 | 38.0 |
| | | | | YIELD STRENGTH, KSI | 24.5 | 23.0 | |

CHEMICAL COMPOSITION

| | RESULTS | STANDARD | | | RESULTS | STANDARD | |
|---------------|---------|-----------|-------|----------------|---------|----------|-------|
| | | MIN | MAX | | | MIN | MAX |
| Silicon (Si) | 0.108 | | 0.250 | Iron (Fe) | 0.315 | | 0.400 |
| Copper (Cu) | 0.039 | | 0.100 | Manganese (Mn) | 0.061 | | 0.100 |
| Chromium (Cr) | 0.232 | 0.150 | 0.350 | Magnesium (Mg) | 2.339 | 2.200 | 2.800 |
| Zinc (Zn) | 0.009 | | 0.100 | Others, Total | 0.031 | | 0.150 |
| Aluminum (Al) | 96.866 | Remainder | | Other, Each | | | 0.050 |

Quality Representative

Donna Compton *Donna Compton*