

Advanced Probing Systems, Inc. — Data Sheet

TUNGSTEN, TUNGSTEN-RHENIUM, AND BERYLLIUM-COPPER ELEMENTAL COMPOSITION

| Element | W-Probe | WRe-Probe | BeCu-Probe |
|------------------|-----------|-----------|------------|
| <i>Tungsten</i> | Remainder | Remainder | ——— |
| <i>Rhenium</i> | ——— | 2.96 | ——— |
| <i>Copper</i> | < 0.01 | < 0.01 | Remainder |
| <i>Beryllium</i> | ——— | ——— | 1.84 |
| Silicon | < 0.01 | < 0.01 | 0.04 |
| Iron | < 0.01 | < 0.01 | 0.05 |
| Manganese | ——— | ——— | < 0.01 |
| Magnesium | ——— | ——— | ——— |
| Molybdenum | < 0.01 | < 0.01 | ——— |
| Chromium | ——— | ——— | < 0.01 |
| Nickel | < 0.01 | < 0.01 | 0.04 |
| Zinc | ——— | ——— | < 0.01 |
| Lead | ——— | ——— | 0.02 |
| Tin | ——— | ——— | 0.02 |
| Aluminum | < 0.01 | < 0.01 | 0.04 |
| Lead | ——— | ——— | 0.02 |
| Cobalt | < 0.01 | < 0.01 | 0.21 |

Note: Representative probe needle compositions were determined using Inductive Coupled Plasma Analysis.