

## Certificate of Analysis

044250

Product: Tungsten slug, 3.175mm (0.125in) dia x 6.35mm (0.25in) length,

99.97% (metals basis)

Lot No.: U28J027

|    |         | Tur | Tungsten |    | 99.995 % |         |  |    |         |
|----|---------|-----|----------|----|----------|---------|--|----|---------|
|    |         |     |          |    |          |         |  |    |         |
| Ag | < 0.01  | Al  | 0.27     | A  | 3        | 0.3     |  | Au | < 0.05  |
| В  | < 0.004 | Ba  | 0.08     | В  | Э        | < 0.001 |  | Bi | < 0.01  |
| Br | < 0.1   | С   | 50       | С  | a        | 0.61    |  | Cd | < 0.01  |
| Ce | 12      | CI  | < 0.01   | С  | 0        | 0.05    |  | Cr | 4.7     |
| Cs | < 0.01  | Cu  | 0.01     | D  | y        | < 0.005 |  | Er | < 0.005 |
| Eu | < 0.005 | F   | < 0.5    | F  | 9        | 9       |  | Ga | < 0.01  |
| Gd | < 0.005 | Ge  | < 0.01   | Н  |          |         |  | Hf | < 0.02  |
| Hg | < 0.1   | Ho  | < 0.005  |    |          | < 0.01  |  | In | < 0.01  |
| lr | < 0.005 | K   | 0.03     | La | 3        | 0.47    |  | Li | < 0.005 |
| Lu | < 0.005 | Mg  | 0.02     | M  | n        | 0.07    |  | Мо | 9.5     |
| Ν  |         | Na  | 0.15     | N  | b        | 0.01    |  | Nd | < 0.005 |
| Ni | 1.9     | 0   | 50       | 0  | S        | < 0.01  |  | Ρ  | 0.33    |
| Pb | < 0.01  | Pd  | < 0.01   | Р  | -        | < 0.005 |  | Pt | < 0.5   |
| Rb | 0.005   | Re  | < 1      | R  | h        | < 0.005 |  | Ru | < 0.005 |
| S  | 0.1     | Sb  | 0.05     | S  | 0        | 0.006   |  | Se | < 0.1   |
| Si | 0.13    | Sm  | < 0.005  | S  | า        | 0.05    |  | Sr | 0.005   |
| Ta | < 5     | Tb  | < 0.005  | To | 9        | 0.01    |  | Th | < 0.005 |
| Ti | 0.11    | TI  | < 0.01   | Tı | n        | < 0.005 |  | U  | 0.53    |
| V  | 0.83    | W   |          | Υ  |          | 0.005   |  | Yb | < 0.005 |
| Zn | < 0.01  | Zr  | < 0.27   |    |          |         |  |    |         |

Values given in ppm unless otherwise noted Carbon, hydrogen, nitrogen, oxygen and sulfur determined by LECO All other elements determined by GDMS

ND None detected

\* = Instrument contamination

Expiration Date: August 28, 2053

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