



THE ADVANCED MATERIALS MANUFACTURER®

MERELEX CORPORATION • 10884 WEYBURN AVE. LOS ANGELES, CA 90024
TEL. 310-208-0551 • FAX 310-208-0351 • E-MAIL: orders@americanelements.com

CERTIFICATE OF ANALYSIS

99.9% (metals basis) Silver Metal Sputtering Target

Ag

Product Code: AG-M-03M-ST

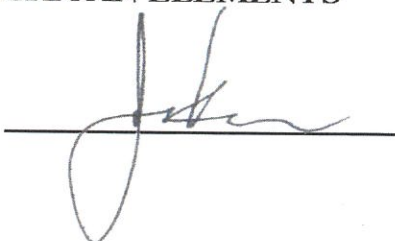
Lot #: 1631393455-400

CAS #: 7440-22-4

Description: Diameter: 12.5mm; Thickness: 0.5mm

<u>Analysis</u>	<u>%</u>
Total all impurities	<0.05

AMERICAN ELEMENTS

By 



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CERTIFICATE OF ANALYSIS

99.9% (metals basis) Gold Metal Sputtering Target

Au

Product Code: AU-M-03M-ST

Lot #: 1311393455-400

CAS #: 7440-57-5

Description: Diameter: 12.5mm; Thickness: 0.4mm

<u>Analysis</u>	<u>ppm</u>
Ag	3
Cu	6
Zn	2

AMERICAN ELEMENTS

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A handwritten signature in black ink, written over a horizontal line. The signature is cursive and appears to be "John".



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CERTIFICATE OF ANALYSIS

99.99% (metals basis) Carbon (Graphite) Sputtering Target

C

Product Code: C-GR-04M-ST.500D

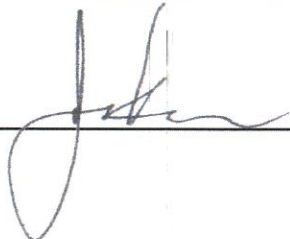
Lot #: 1173994255-400

CAS #: 7782-42-5

Description: Diameter: 12.5mm; Thickness: 3mm

<u>Analysis</u>	<u>ppm</u>
Fe	9.8
S	4.6

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CERTIFICATE OF ANALYSIS

99.5% (metals basis) Beryllium Metal Sputtering Target

Be

Product Code: BE-M-025M-ST

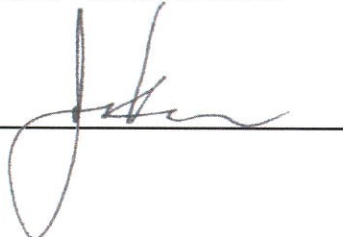
Lot #: 1121392455-400

CAS #: 7440-41-7

Description: Diameter: 12.5mm; Thickness: 5.3mm

<u>Analysis</u>	<u>%</u>
Be ₂ C	0.021
Fe	0.105
Al	0.0068
Si	0.0058
Mg	0.0021
Mn	0.0015

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CERTIFICATE OF COMPLIANCE

Boron Carbide Isotope

11B4C

Product Code: BO-C-01-ISO.011I

CAS #: 200443-95-4

LOT #: 1141151028-413

American Elements certifies that the materials listed below and shipped on 5/11/2022 meets the purity and dimensional requirements set forth in Thomas Jefferson National Accelerator Facility (JLAB) purchase order: Email, 3/4/22, David Meekins.

Boron Carbide Isotope

11B4C

B-11 isotope

Enrichment: 90% min.

Diameter: 12.5mm

Thickness: 2.5mm

AMERICAN ELEMENTS

By _____

A handwritten signature in black ink, appearing to be "John", written over a horizontal line.



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CERTIFICATE OF COMPLIANCE

Boron Carbide Isotope

10B4C

Product Code: BO-C-01-ISO.010I

CAS #: 200443-95-4

LOT #: 1141151028-412

American Elements certifies that the materials listed below and shipped on 5/11/2022 meets the purity and dimensional requirements set forth in Thomas Jefferson National Accelerator Facility (JLAB) purchase order: Email, 3/4/22, David Meekins.

Boron Carbide Isotope

10B4C

B-10 isotope

Enrichment: 90% min.

Diameter: 12.5mm

Thickness: 2.5mm

AMERICAN ELEMENTS

By _____