

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-07-13 14:34:47  
Date of Next Testing: 2027-07-12 14:34:47  
Product Name: **Tungsten hexacarbonyl**  
CAS Number: 14040-11-0  
Specifications & Purity: 99.9% metals basis  
Lot #: G2311230  
SKU #: **T113663**  
Analysis: **247102**

Parameter	Limit Values	Result
W(Gravimetric Analysis)	50.4-54 (%)	52.30%
Total Metallic Impuritie	0-1000 (ppm)	858.59 ppm
Purity(Based on Trace Metals Impurities of ICP)	99.9-100 (%)	99.91%
Appearance (T113663)	White Powder or Crystals	White Powder or Crystals
ICP: Confirms Tungsten Component	Confirmed	Confirmed
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager