

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-30 16:15:58
 Date of Next Testing: 2026-08-29 16:15:58
 Product Name: **High-purity ultra-fine tantalum carbide powder (TaC)**
 CAS Number: 12070-06-3
 Specifications & Purity: $\geq 98\%$, particle size: 400nm-700nm
 Lot #: H2324382
 SKU #: **H579147**
 Version: **1**
 Analysis #: **242203**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Trace Metal Analysis	0-20000 (ppm)	520.00000 ppm
Purity(Based On Trace Metals Analysis)	98-100 (%)	99.94800 %
Particle size	400-700 (nm)	544.91000 nm
Tantalum(Ta)	90.04-97.54 (%)	90.04100 %
Appearance(H579147)	yellowish-brown to brown to dark brown powder	yellowish-brown to brown to dark brown powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager