

## Certificate of Analysis

Date of Testing: 2024-05-22 17:14:31  
Date of Next Testing: 2027-05-22 17:14:31  
Product Name: **Tungsten oxide (WO<sub>3</sub>-x) nanoparticle ink**  
CAS Number:  
Specifications & Purity: Particle size: ≤ 50 nm (BET), concentration: 2.5 wt.% in 2-propanol  
Lot #: E2413514  
SKU #: **T487449**  
Version: **1**  
Analysis #: **336725**

Parameter	Limit Values	Result
Solid Content	2.4-2.6 (%)	2.60 %
particle size(BET)	0-50 (nm)	25.00 nm
Appearance(T487449)	Liquid	Liquid
ICP: Confirms Tungsten Component	Confirmed	Confirmed



John Su  
QA & QC Manager