

Certificate of Analysis

Titanium Carbide (TiC) Nanopowder
Purity: 97+%; APS (by TEM): 50 nm
Stock #: 5216KE

	Test Results	Technique
Impurities	< 1.0% free carbon < 1.0% Cl < 0.20% Cr < 0.10% Fe < 0.10% Ni < 0.20% Si	X-Ray Fluorescence (XRF)
Specific Surface Area (m ² /g)	23	Brunauer-Emmett-Teller (BET)
Average Particle Size (nm)	50	Transmission Electron Microscopy (TEM)
Crystallographic Structure	Cubic	X-Ray Diffraction (XRD)
Bulk Density (g/cm ³)	0.06	Scott Volumeter Method (SVM)

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