

## Specification Sheet

Titanium Carbide Nanoparticles

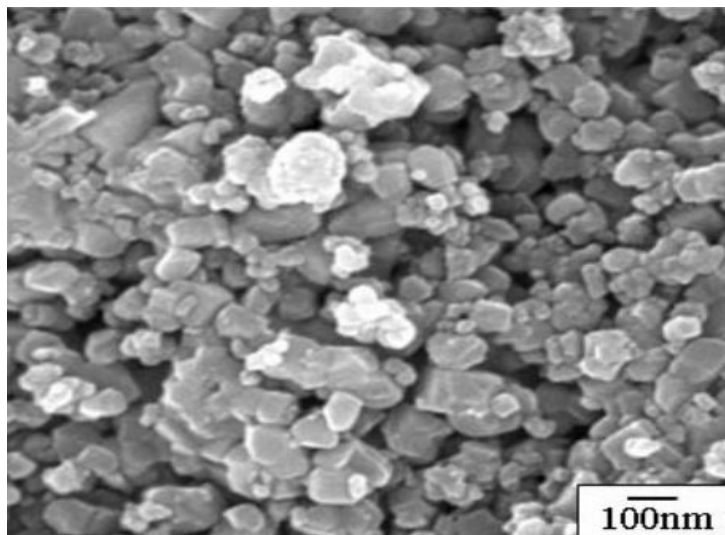
(TiC, Purity: 99.9%, APS: < 100nm)

Stock No: NS6130-02-290, CAS: 12070-08-5

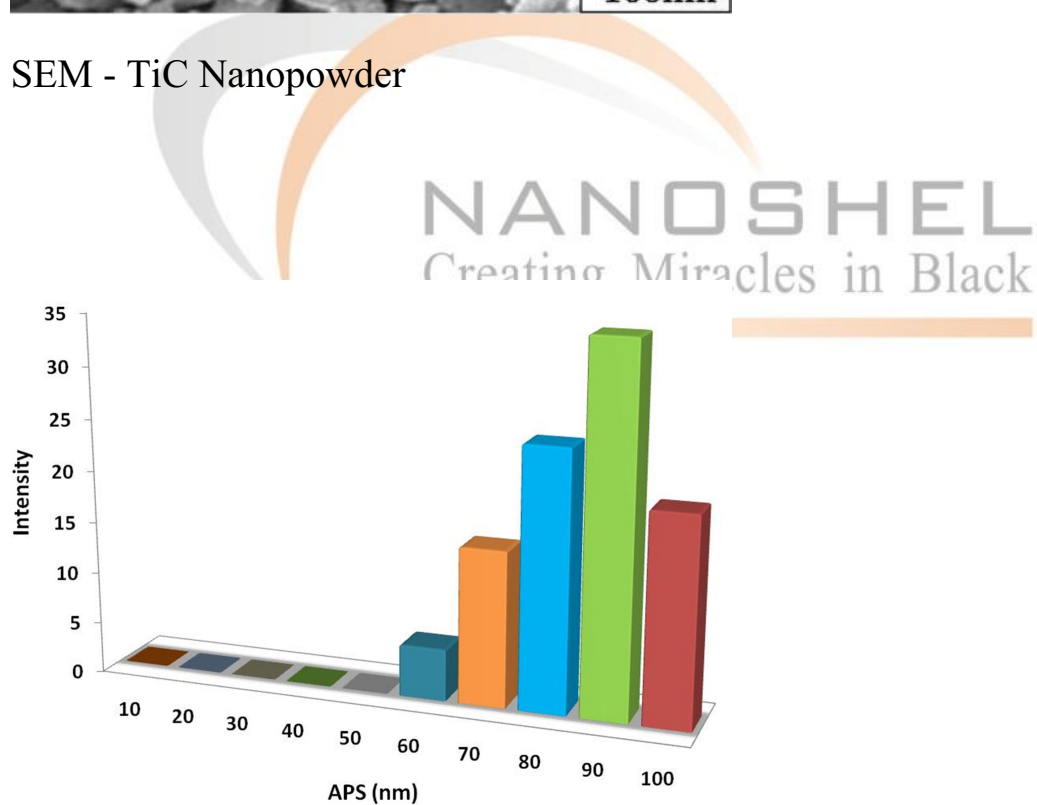
|                              |   |                                       |
|------------------------------|---|---------------------------------------|
| <b>Product</b>               | : | <b>Titanium Carbide Nanoparticles</b> |
| Stock No.                    | : | NS6130-02-290                         |
| CAS                          | : | 12070-08-5                            |
| APS                          | : | < 100nm                               |
| Purity                       | : | 99.9%                                 |
| Molecular Formula            | : | TiC                                   |
| Molecular Weight             | : | 59.89g/mol                            |
| Form                         | : | Powder                                |
| Color                        | : | Black                                 |
| Melting Point                | : | 3160°C                                |
| Boiling Point                | : | 4820°C                                |
| SSA                          | : | 32m <sup>2</sup> /g                   |
| Solubility                   | : | Insoluble in Water                    |
| <b>Main Inspect Verifier</b> | : | <b>Manager QC</b>                     |

**Note:** Product Specification are subject to amendment and may change over time

## Characterization of Titanium Carbide Nanoparticles



SEM - TiC Nanopowder



Particles Size Analysis