

# Chem-Impex International, Inc.

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## Certificate of Analysis

|                          |                                     |
|--------------------------|-------------------------------------|
| <b>Catalogue Number</b>  | 47086                               |
| <b>Lot Number</b>        | 003344-9220-022122                  |
| <b>Product</b>           | <b>Nickel nanopowder (40-60 nm)</b> |
| <b>CAS Number</b>        | 7440-02-0                           |
| <b>Molecular Formula</b> | Ni                                  |
| <b>Molecular Weight</b>  | 58.69                               |

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|---------------------------|---|
| <b>Appearance</b>         | Black nanopowder  |
| <b>Density</b>            | Bulk density 0.28 g/cm <sup>3</sup> , True density 8.9 g/cm <sup>3</sup>  |
| <b>Mesh Size</b>          | APS 40-60 nm , SSA 12 m <sup>2</sup> /g   |
| <b>Related Substances</b> | Trace metals analysis :<br>Ca : 11 ppm, Cu : 49 ppm, Fe : 99 ppm, K : 13 ppm, Mg : 31 ppm, Mn : 20 ppm,<br>Na : 14 ppm, Pb : 3 ppm, Zn : 67 ppm |
| <b>Purity</b>             | 99.9% (Trace metals basis)  |
| <b>Storage</b>            | Store at RT   |
| <b>Remarks</b>            | See material safety data sheet for additional information<br>For laboratory use only  |

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
**Quality Control Manager**