

# *Chem-Impex International, Inc.*

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## *Product Specifications*

### Au

<b>Catalogue Number</b>	46550
<b>Product</b>	<b>Gold nanopowder (30 - 60 nm)</b>
<b>CAS Number</b>	7440-57-5
<b>Molecular Formula</b>	Au
<b>Molecular Weight</b>	196.97

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<b>Appearance</b>	Golden powder
<b>Trace Metal Analysis</b>	Ag : $\leq 25$ ppm, Bi : $\leq 0.20$ ppm, Cu : $\leq 1.50$ ppm, Fe : $\leq 5.0$ ppm, Pd : $\leq 5.0$ ppm, Pt : $\leq 1.0$ ppm, Pb : $\leq 0.5$ ppm
<b>Mesh Size</b>	APS 30 - 60 nm, SSA 3.1 m <sup>2</sup> /g
<b>Purity</b>	$\geq 99.99\%$ (Trace metals basis)
<b>Application</b>	The optical properties of gold nanopowders lend them to benefits in medical imaging, photography, and other optical/imaging applications. Gold powder plays a crucial role in countless electronic manufacturing processes, offering a simple and effective way to produce conductive compounds, suspensions, coatings, etc.
<b>Storage</b>	Store at RT

**For Laboratory Use Only**