

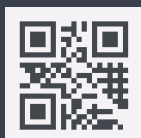
Ruthenium

NANOPARTICLES

Quick FACTS

- ✓ Product : Ruthenium Nanoparticles
- ✓ Stock No : NS6130-01-195
- ✓ CAS : 7440-18-8
- ✓ Color : N/A
- ✓ Form : Powder

Ruthenium is employed as one of the most effective hardeners for palladium and platinum, and hence it is alloyed with these metals to make electrical contacts. This alloyed metals utilized for laboratory equipment and severe wear resistant electronics. Ruthenium nanoparticles also work as versatile catalysts. Ru nanoparticles size, shape and crystal structure can be tailor made for devices with excellent thermal and chemical stability, very low resistivity as well as improves electrocatalytic activity. The Ru NPs developed on various supports have been used in hydrogen evolution reaction and hydrogenation reactions, dye degradations. Ruthenium oxide has ample of applications for instance in resistors, electrochemical capacitors, electrode material for supercapacitor application either as single oxide or mixed oxide, gas sensors as well as catalysts.



CE ISO 9001:2015
CERTIFIED COMPANY

ISO: 13485:2016/20ZICE4588M
CE: 20ZICE4589C

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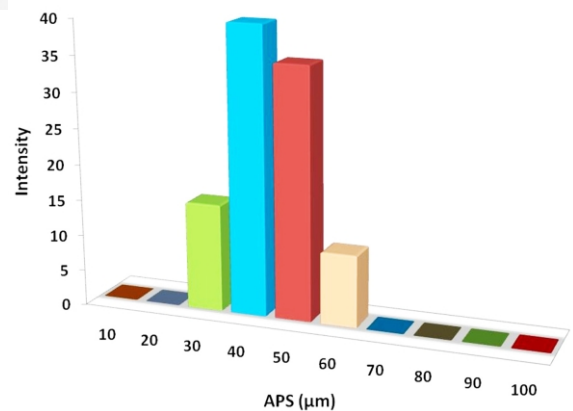
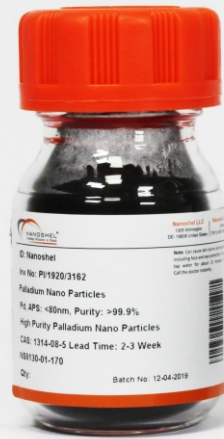
NANOPARTICLES

Applications

- ✓ Electrochemical capacitors
- ✓ Hydrogenation catalyst
- ✓ Polymer membranes
- ✓ Hardening agent for platinum or palladium alloys
- ✓ Coatings, plastics, nanofibers, textiles and nanowires.

Packing Sizes Available

10ml, 25ml, 50ml, 100ml, 250ml, 500ml, 1Ltr & Bulk orders



Technical SPECIFICATION

Molecular Formula	Molecular Weight	Density	Melting Point	Boiling Point
Ru	101.07 g/mol	12.45 g/cm ³	2334 °C	4150 °C

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