

## TECHNICAL SHEET

### NANOGOLD\_water

**Descrizione:** Gold nanoparticles in water

**Appearance:** magenta liquid

#### Chemico-Physical Characteristics:

	Instrument	Range
Au concentration [% w/w]	ICP-OES	0,1 – 0,5
Average hydrodynamic diameter [nm] Z_average	DLS	20 - 50
PdI	DLS	0,2 – 0,4
pH	pH-meter	4.5 – 5.5
$\xi$ _potential [mV]	DLS	-20 < $\xi$ < -15
Average inorganic diameter [nm]	FEG - STEM	12 – 25

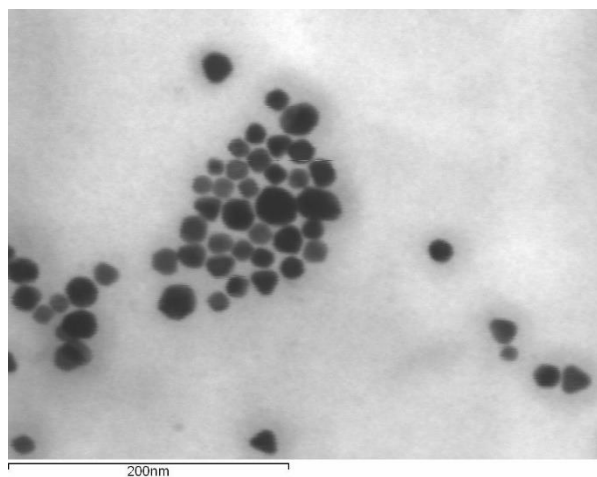


Figure 1 STEM of Nanogold-water

#### Applications:

Ceramic coating; pigment.

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