

American Elements Gold Nanoparticles

Category : Metal , Nonferrous Metal , Pure Element

Material Notes:

General Description Gold (Au) Nanoparticles, nanodots or nanopowder are brown spherical high surface area metal particles. Nanoscale Gold Particles are typically 20 - 100 nanometers (nm) with specific surface area (SSA) in the 1 – 3 m²/g range. Nano Gold Particles are also available in Ultra high purity and high purity and coated and dispersed forms. Applications for gold nanocrystals include as an anti-microbial, anti-biotic and anti-fungal agent when incorporated in coatings, plastics, nanofiber and textiles and in nanowire and certain catalyst applications. Coat gold particles with DNA and inject them into plant cells or plant embryos. Some genetic material will remain in the cells and transform them. This method allows transformation of plant plastids. The transformation efficiency is lower than in agro bacterial mediated transformation.

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http://www.lookpolymers.com/polymer_American-Elements-Gold-Nanoparticles.php

Physical Properties	Metric	English	Comments
Particle Size	0.020 - 0.10 µm	0.020 - 0.10 µm	
Specific Surface Area	1.0 - 3.0 m ² /g	1.0 - 3.0 m ² /g	
Molecular Weight	196.97 g/mol	196.97 g/mol	

Descriptive Properties	Value	Comments
Appearance	Brown	

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