

# Global Gold Nanoparticles Market Research Report 2022 Professional Edition

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## Abstracts

The global Gold Nanoparticles market was valued at 55.94 Million USD in 2021 and will grow with a CAGR of 12.21% from 2021 to 2027, based on HNY Research newly published report.

The prime objective of this report is to provide the insights on the post COVID-19 impact which will help market players in this field evaluate their business approaches. Also, this report covers market segmentation by major market vendors, types, applications/end users and geography(North America, East Asia, Europe, South Asia, Southeast Asia, Middle East, Africa, Oceania, South America).

Gold nanoparticles are particles with diameters in the 1-100nm range and have unique optical and physical properties. These unique optical-electronics properties have been researched and utilized in high technology applications such as organic photovoltaics, sensory probes, therapeutic agents, drug delivery in biological and medical applications, electronic conductors and catalysis. The optical and electronic properties of gold nanoparticles are tunable by changing the size, shape, surface chemistry, or aggregation state. Gold nanoparticle, a type of special compound, is mainly classified into water, oil, etc. And water soluble type is the most widely used type which takes up about 75% share globally in 2017. Gold nanoparticles are mainly made from chloroauric acid and reducing agents (sodium citrate, sodium borohydride, hydrazine hydrate, etc.), modifiers (amino acids, DNA, mercaptans, polymers, etc.). It is mainly used in pharmaceutical laboratories to detect biomarkers and eradicate targeted tumors. USA is the largest consumption country of gold nanoparticles in the world in the past few years and it will keep the same position in the next few years. The USA market took up about 36% the global market in 2015, followed by Europe (28%), and China is followed with the share about 14%.

By Market Verdors:

Nanopartz

Nanocs

nanoComposix

BBI Solutions

Cline Scientific

Cytodiagnositics

Sigma Aldrich

Tanaka Technologies

Expedeon

NanoSeedz

NanoHybrids

Hongwu New Material

Metalor?Technologies SA

Solaris Nanoscinces

Meliorum Technologies

By Types:

Water soluble

Oil soluble

Both phase soluble

By Applications:

Life Science

Industry

Key Indicators Analysed

**Market Players & Competitor Analysis:** The report covers the key players of the industry including Company Profile, Product Specifications, Production Capacity/Sales, Revenue, Price and Gross Margin 2016-2027 & Sales with a thorough analysis of the market's competitive landscape and detailed information on vendors and comprehensive details of factors that will challenge the growth of major market vendors.

**Global and Regional Market Analysis:** The report includes Global & Regional market status and outlook 2016-2027. Further the report provides break down details about each region & countries covered in the report. Identifying its sales, sales volume & revenue forecast. With detailed analysis by types and applications.

**Market Trends:** Market key trends which include Increased Competition and Continuous Innovations.

**Opportunities and Drivers:** Identifying the Growing Demands and New Technology

**Porters Five Force Analysis:** The report provides with the state of competition in industry depending on five basic forces: threat of new entrants, bargaining power of suppliers, bargaining power of buyers, threat of substitute products or services, and existing industry rivalry.

Key Reasons to Purchase

To gain insightful analyses of the market and have comprehensive understanding of the global market and its commercial landscape.

Assess the production processes, major issues, and solutions to mitigate the development risk.

To understand the most affecting driving and restraining forces in the market and its impact in the global market.

Learn about the market strategies that are being adopted by leading respective organizations.

To understand the future outlook and prospects for the market.

Besides the standard structure reports, we also provide custom research according to specific requirements

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