



PRODUCT CATALOGUE

20²⁶₂₇

VEDAYUKT INDIA PRIVATE LIMITED

We Believe in Quality & Commitment



An ISO : 14001:2015, ISO : 9001:2015, ISO : 45001:2018 Company

ABOUT US

VEDAYUKT INDIA PRIVATE LIMITED is a leading manufacturer and trader of high-performance **nanoparticles and advanced materials**, committed to delivering exceptional quality for industrial and research applications worldwide.

We specialize in the production and supply of a comprehensive range of materials, including:

- **Metal and Metal Oxide Nanoparticles**
- **Semiconductor and Magnetic Nanoparticles**
- **Metallic, Ceramic, and Polymeric Nanoparticles**
- **Nanotubes and Other Advanced Nanoformulations**

With a strong emphasis on **precision engineering, product reliability, and technical innovation**, our materials are engineered to meet the evolving needs of industries such as:

- **Electronics**
- **Biomedical Research & Healthcare**
- **Cosmetics**
- **Energy & Environment**
- **Pharmaceuticals**
- **Advanced Manufacturing**

Our dedicated team of scientists and engineers continuously push the boundaries of material science to deliver innovative solutions that support our customers in achieving their technological and commercial goals.

At **VEDAYUKT**, quality, innovation, and customer satisfaction are at the core of everything we do.



VEDAYUKT INDIA PRIVATE LIMITED

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VISION & MISSION

Vision:

At **VEDAYUKT INDIA PRIVATE LIMITED**, we are guided by the philosophy of the **"Business of Responsibility."**

Founded in **2021** in **Jamshedpur (Ghatshila)**, our vision is to:

- Foster awareness and adoption of **emerging technologies**.
- Promote **health and hygiene**.
- Actively contribute to addressing **local unemployment** challenges.

We aim to create a sustainable impact by blending innovation with social responsibility.

Mission:

Our mission is to be a **globally trusted partner** in the field of nanotechnology by focusing on:

- **Uncompromised product quality**
- **Consistent reliability**
- **Continuous innovation**

We are committed to exceeding customer expectations through:

- Excellent **customer service**
- Dedicated **technical support**
- On-time **delivery of advanced nanomaterials**

Whether serving **researchers, manufacturers, or distributors**, our goal is to provide **high-performance nanoparticles** tailored to diverse and evolving industrial needs.



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CERTIFICATE OF INCORPORATION

Certificate of Recognition

COI

MSME

The image shows a UDYAM Registration Certificate issued by the Ministry of Micro, Small and Medium Enterprises. The certificate is for VEDAYUKT INDIA PRIVATE LIMITED, a Private Limited Company. It includes details such as the company's name, address, and the date of registration. The certificate is signed by the Registrar of Companies, Central Registration Centre. The certificate number is U24239HZ021PTC016683. The certificate is valid for 10 years from the date of registration.

The image shows a Certificate of Incorporation issued by the Government of India, Ministry of Corporate Affairs, Central Registration Centre. The certificate is for VEDAYUKT INDIA PRIVATE LIMITED, a Private Limited Company. It includes details such as the company's name, address, and the date of incorporation. The certificate is signed by the Registrar of Companies, Central Registration Centre. The certificate number is U24239HZ021PTC016683. The certificate is valid for 10 years from the date of incorporation.

Startupindia

The image shows a Certificate of Recognition issued by the Department for Promotion of Industry and Internal Trade, Government of India. The certificate is for VEDAYUKT INDIA PRIVATE LIMITED, a Private Limited Company. It includes details such as the company's name, address, and the date of recognition. The certificate is signed by the Secretary, Department for Promotion of Industry and Internal Trade. The certificate number is 130/UPPABANDHA, SURDA MINES, SURDA, Purba Singhbhum, Raikhand, India, 832303. The certificate is valid for 10 years from the date of recognition.

VEDAYUKT INDIA PRIVATE LIMITED

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COMMITMENT OF QUALITY

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ISO 9001: 2015



ISO 45001:2018



ISO14001:2015



GMP



CE MARK



FDA



VEDAYUKT INDIA PRIVATE LIMITED

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CERTIFICATE OF ANALYSIS

Certificate of Analysis are provided with all the products supplies by VEDAYUKT INDIA and is an authenticated document that is issued by VEDAYUKT INDIA QC Department that ascertains that a product has met its predetermined product release specification(s) and quality

ON CERTIFICATE OF ANALYSIS

- ✓ Company Name/Identifier.
- ✓ Product Name and Code.
- ✓ CAS Number.
- ✓ Test Conditions.
- ✓ Test Parameters.
- ✓ Specifications Results
- ✓ SEM & TEM Analysis.
- ✓ DLS Analysis.
- ✓ XRD Analysis
- ✓ Approval Signature
(e.g. document number, revision, etc.)

VEDAYUKT INDIA PRIVATE LIMITED
CIN: U28226/JG2017PC106883
UPPABANDH, SURYA NAGESWARAIAH,
East Singaperumal (Jambhikapuram), Jambhikavaram, 833003, INDIA
Email: info@vedayukt.com (IN)
Mobile: Ph: +91-8225143000, +91-8242273441

As ISO : 14001:2015, ISO : 9001:2015, ISO : 45001:2018 Company

Certificate of Analysis

Particulate Name: Zinc Oxide Nanoparticles (ZnO, Purity: >99%, APS: 30-50 nm)

Products Details	
Particulate Name	: Zinc Oxide Nanoparticles
CAS	: 1314-13-2
File Name	: Nano Production QC
Record Number	: 1986
Material RI	: 1.59
Material Absorption	: 0.010
Dispersant RI	: 1.330
Viscosity (cP)	: 0.8872

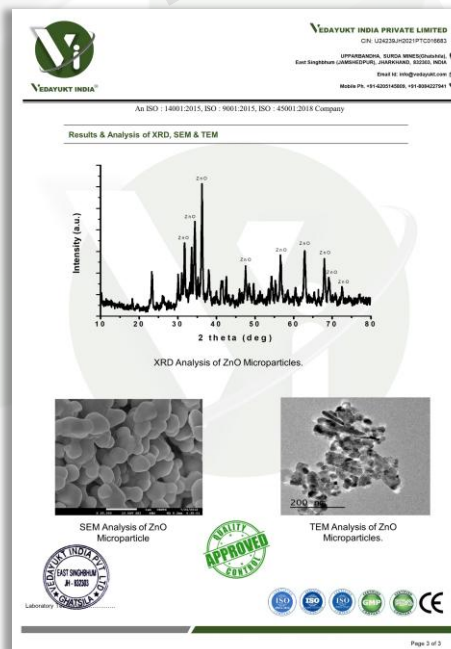
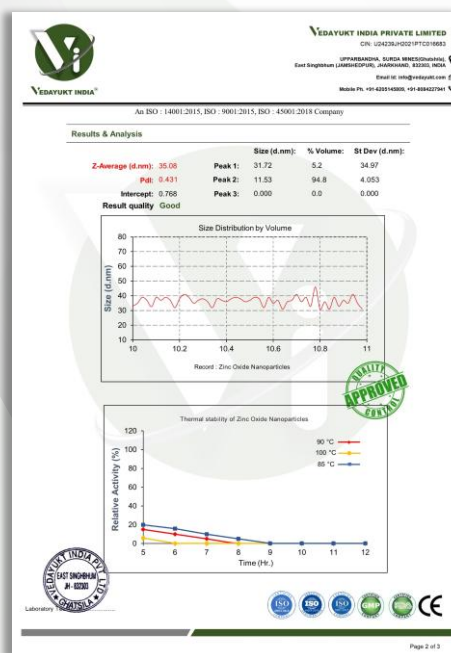
System	
Temperature (°C)	: 25.0
Count Rate (cps)	: 119.3
Cell Description	: Disposable cuvette
Duration Used (s)	: 80
Measurement Position (mm)	: 1.25

Specification			
Molecular Formula	: ZnO	Density	: 5.6 g/cm ³
Molecular Weight	: 81.38 g/mol	APS	: 30-50 nm
Melting Point	: 1975 °C	Purity	: 99.9%
Boiling Point	: 2360 °C	Color	: White
		Form	: Powder

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MATERIAL SAFETY DATA SHEET

MSDS/SDS

A material safety data sheet is a technical document which provides detailed and comprehensive information on a controlled product related to:

- health effects of exposure to the product
- hazard evaluation related to the product's handling, storage or use
- measure to protect workers at risk of exposure
- emergency procedures.

The data sheet may be written, printed or otherwise expressed, and must meet the availability, design and content requirements of WHMIS legislation. The legislation provides for flexibility of design and wording but requires that a minimum number of categories of information be completed and that all hazardous ingredients meeting certain criteria be listed subject to exemptions granted under the Hazardous Materials Information Review Act.

VEDAYUKT INDIA PRIVATE LIMITED
CIN: U24230JH2011PT018683
GSTIN: 20AUCV1332J2A
UPPABANDHA, SURYA NAGAR, DIST. BOKA
East Singhbhum (Jharkhand), Jharkhand, 832014, INDIA
Email ID: vedayuktgroup@gmail.com (2)
Mobile No. +91-920148055, +91-992227941 (2)

MATERIAL SAFETY DATA SHEET

Aluminium Nanoparticles
Stock No.: VI/27/329

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product Name : Aluminium Nanoparticles
Use : Research and Development, Laboratory Use
Address : 130, Uppabandha, East Singhbhum, Jharkhand, 832303
Emergency : +91 8969270993

2. COMPOSITION & INFORMATION ON INGREDIENTS

Chemical Characterisation : AI
Hazardous Ingredients : Nil

3. HAZARD IDENTIFICATION

Toxicity : No data available
Eye Contact : Dust may cause irritation

4. FIRST AID MEASURES

Skin : Wash with soap and copious amounts of water.
Eyes : Flush eyes with water as a precaution.
Ingestion : Wash out mouth with water provided person is conscious.
Inhalation : If inhaled, move to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

5. FIREFIGHTING MEASURES

Extinguishing Data : Water spray
Unusual Firefighting Hazards : Carbon Dioxide, Dry Chemical Powder, Polymer Foam.
Special Firefighting Procedures : Use normal procedures which include wearing self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

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Email ID: vedayuktgroup@gmail.com (2)
Mobile No. +91-920148055, +91-992227941 (2)

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions : Wear respirator, chemical safety goggles, rubber boots and gloves.
Precautions to the Environment : No special precautionary measures necessary.
Clean-up Procedures : Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions. Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

7. HANDLING AND STORAGE

Handling Precautions : Provide appropriate exhaust ventilation at places wherever dust is formed. Keep away from open flames, hot surfaces and sources of ignition.
Storage : Store tightly closed in a cool dry place.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal Protective Equipment :
Respiratory : Self-contained breathing apparatus
Hand : Chemical-resistant gloves
Eye : Use equipment for eye protection tested and approved under appropriate government standards
Skin : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Powder
Form : Powder
Colour : Gray
Odour : No Odour
Safety Related Information :
Flash Point : N/A
Boiling Point : 2700 °C
Melting Point : 660 °C

10. STABILITY AND REACTIVITY

Stability : Completely stable under standard ambient conditions.
Reactivity : Non-Reactive Non-Soluble

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Email ID: vedayuktgroup@gmail.com (2)
Mobile No. +91-920148055, +91-992227941 (2)

11. TOXICOLOGICAL INFORMATION

Possible Health Effects
Skin : No effect
Eyes : Irritation
Inhalation : No choking hazard
Toxicity : Non-Toxic

12. ECOLOGICAL IMPACT

Avoid raising dust. Ventilate area and wash spill site after material pickup is complete. Negative ecological impact data not available.

13. WASTE DISPOSAL

Disinfect or mix the material with a combustible solvent and burn in a chemical incinerator, equipped with an afterburner and scrubber

14. TRANSPORT INFORMATION

CAS : 7429-90-5
Proper Shipping Name : Aluminium Nanoparticles
Air Transport (ICAO & IATA) : Not dangerous goods
Class : Non Hazardous
Packing group : Normal Packing
Transport information : Not regulated for IATA (AIR)

15. OTHER REGULATORY INFORMATION

Protective Equipment :
Gloves.
Lab coat.
Dust respirator.
Be sure to use an approved/certified respirator or equivalent.
Splash goggles.

16. OTHER INFORMATION

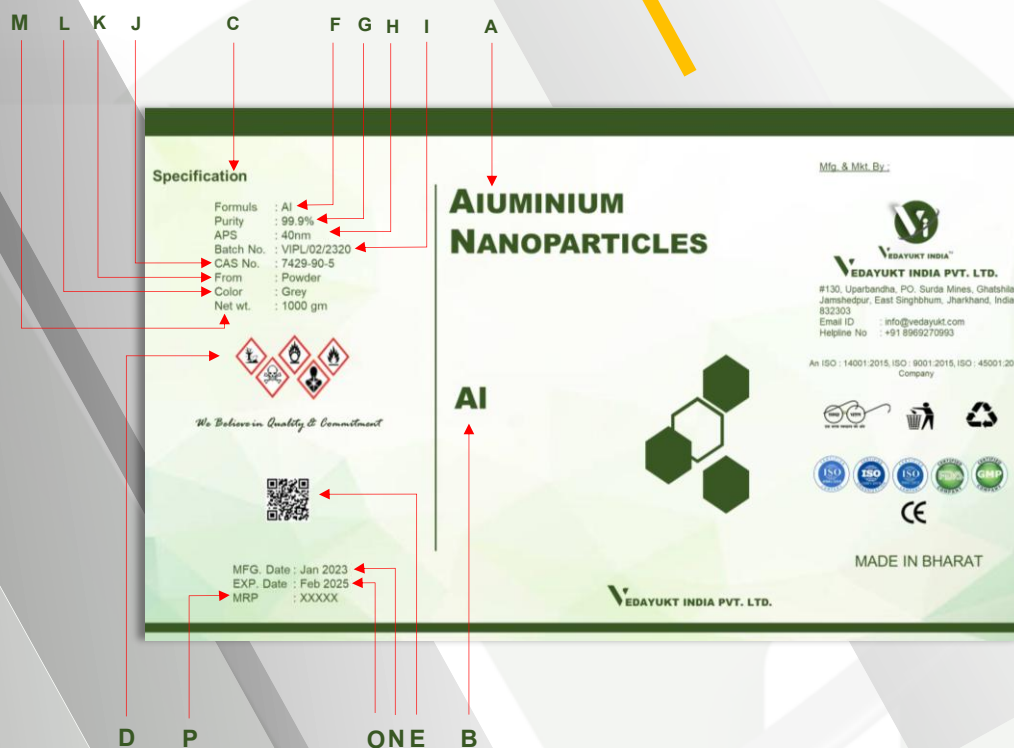
References: Not available
Other Special Considerations: Not available.

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STANDARD LABEL FORMAT



Label Contains Identification

- | | |
|---|--------------------------------------|
| A. Product Name | I. Batch Number |
| B. Molecular Formula | J. CAS Number |
| C. Additional product-specific information and naming | K. Product From |
| D. Harmonized System (HS) of tariff nomenclature | L. Product Color |
| E. QR code containing the information of batch specification | M. Package Size (pre-weighed) |
| F. Formula | N. MFG Date |
| G. Purity | O. Expiry Date |
| H. Product Average Particles Size | P. Cost of the product |

VEDAYUKT INDIA PRIVATE LIMITED

4001:2015, ISO : 9001:2015, ISO : 45001:2018

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PRODUCT PACKAGING



VEDAYUKT INDIA PRIVATE LIMITED

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

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PRODUCT PACKAGING



VEDAYUKT INDIA PRIVATE LIMITED

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OUR PRODUCTS



ELEMENTS NANOPARTICLES

Nanoparticles of elements are ultra-small particles (1–100nm in size) composed of pure elemental substances such as gold (Au), silver (Ag), copper (Cu), iron (Fe), and others.



SINGLE ELEMENTS OXIDE NANOPARTICLES

Single element oxide nanoparticles are nanosized particles composed of the oxide form of a single metal element (e.g., ZnO, TiO₂, Fe₂O₃). These nanoparticles exhibit unique optical, electrical, magnetic, and catalytic properties due to their small size and surface characteristics.



COMPOUND NANOPARTICLES

Compound nanoparticles are nanomaterials composed of two or more different elements chemically bonded to form a compound, such as metal oxides, metal sulfides, nitrides, carbides, or salts.



NANO TUBES

Nanotubes are cylindrical nanostructures with diameters typically in the 1–100 nanometer range and lengths up to several micrometers. They exhibit extraordinary mechanical strength, electrical conductivity, and thermal stability, making them highly versatile in advanced technologies.



ALLOY NANOPARTICLES

Alloy nanoparticles are nanoscale particles composed of two or more metallic elements combined to form a single-phase or multi-phase material.



MULTI ELEMENT OXIDE NANOPARTICLES

Multi-element oxide nanoparticles are nanoscale materials composed of oxides containing two or more different metal elements. These materials offer enhanced functional properties due to synergistic interactions between the constituent metal oxides.



CLAY NANOPARTICLES

Clay nanoparticles are ultra-fine particles derived from natural clay minerals, typically with a layered silicate structure and size in the nanometer range.



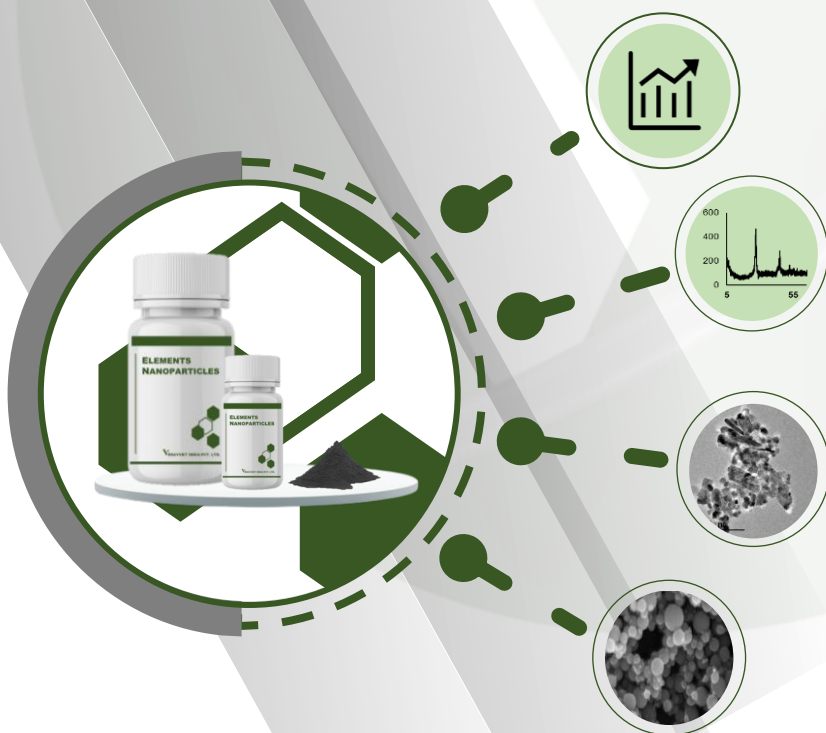
COLLOIDAL SOLUTION & SUSPENSION

A colloidal solution (or colloid) is a heterogeneous mixture where fine particles (1–100 nanometers) are dispersed evenly throughout another substance (the dispersion medium).

ELEMENTS NANOPARTICLES

Elemental nanoparticles are nanomaterials made up of a **single, pure element** in a nanoscale form. Unlike compounds or oxides, these contain **only one type of atom**, giving them specific and sometimes **extraordinary properties** not seen in the bulk form of that element.

These are ultra-small particles made from **pure chemical elements**, typically metals or metalloids, with dimensions ranging from **1 to 100 nanometers**. Due to their small size and high surface area, these nanoparticles exhibit **unique physical, chemical, optical, electrical, and catalytic properties** compared to their bulk counterparts.



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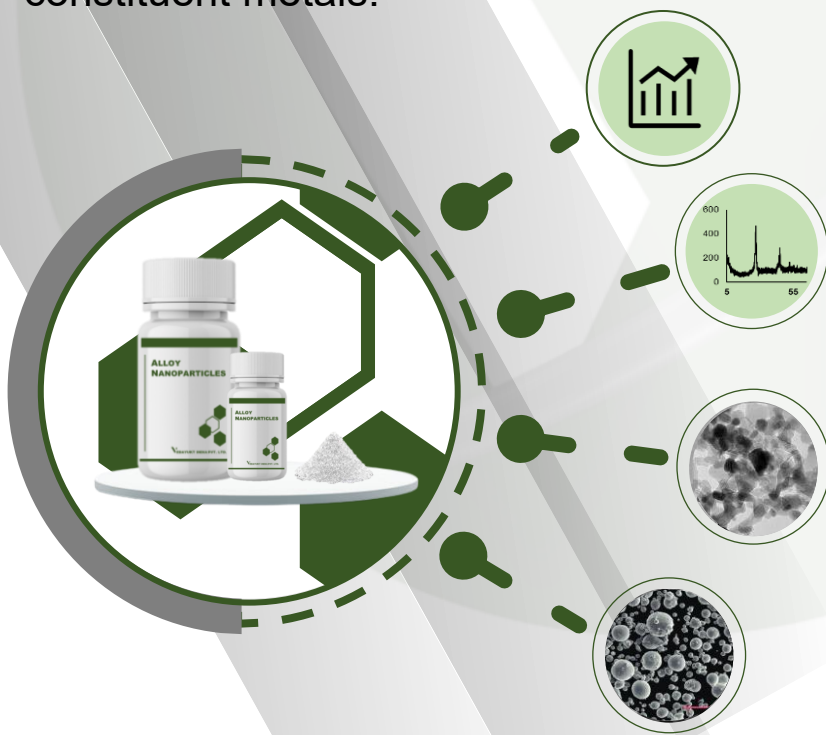
ELEMENTS NANOPARTICLES

SL No.	Product Name	Specification
VIPL0001	Aluminium Nanoparticles	Al, >99.9%, APS:<50/>50nm
VIPL0002	Antimony Nanoparticles	Sb, >99.9%, APS:<50/>50nm
VIPL0003	Bismuth Nanoparticles	Bi, >99.9%, APS:<50/>50nm
VIPL0004	Boron Nanoparticles	B, >99.9%, APS:<50/>50nm
VIPL0005	Carbon Nanoparticles	C, >99.9%, APS:<50/>50nm
VIPL0006	Carbonyl Iron Nanoparticles	Fe, >99.9%, APS:<50/>50nm
VIPL0007	Chromium Nanoparticles	Cr, >99.9%, APS:<50/>50nm
VIPL0008	Cobalt Nanoparticles	Co, >99.9%, APS:<50/>50nm
VIPL0009	Copper Nanoparticles	Cu, >99.9%, APS:<50/>50nm
VIPL0010	Diamond Nanoparticles	C, >99.9%, APS:<50/>50nm
VIPL0011	Germanium Nanoparticles	Ge, >99.9%, APS:<50/>50nm
VIPL0012	Gold Nanoparticles	Au, >99.9%, APS:<50/>50nm
VIPL0013	Hafnium Nanoparticles	Hf, >99.9%, APS:<50/>50nm
VIPL0014	Indium Nanoparticles	In, >99.9%, APS:<50/>50nm
VIPL0015	Iridium Nanoparticles	Ir, >99.9%, APS:<50/>50nm
VIPL0016	Iron Nanoparticles	Fe, >99.9%, APS:<50/>50nm
VIPL0017	Lead Nanoparticles	Pb, >99.9%, APS:<50/>50nm
VIPL0018	Magnesium Nanoparticles	Mg, >99.9%, APS:<50/>50nm
VIPL0019	Manganese Nanoparticles	Mn, >99.9%, APS:<50/>50nm
VIPL0020	Molybdenum Nanoparticles	Mo, >99.9%, APS:<50/>50nm
VIPL0021	Nickel Nanoparticles	Ni, >99.9%, APS:<50/>50nm
VIPL0022	Niobium Nanoparticles	Nb, >99.9%, APS:<50/>50nm
VIPL0023	Osmium Nanoparticles	Os, >99.9%, APS:<50/>50nm
VIPL0024	Palladium Nanoparticles	Pd, >99.9%, APS:<50/>50nm
VIPL0025	Platinum Nanoparticles	Pt, >99.9%, APS:<50/>50nm
VIPL0026	Rhenium Nanoparticles	Re, >99.9%, APS:<50/>50nm
VIPL0027	Rhodium Nanoparticles	Rh, >99.9%, APS:<50/>50nm
VIPL0028	Ruthenium Nanoparticles	Ru, >99.9%, APS:<50/>50nm
VIPL0029	Scandium Nanoparticles	Su, >99.9%, APS:<50/>50nm
VIPL0030	Selenium Nanoparticles	Sc, >99.9%, APS:<50/>50nm
VIPL0031	Silicon Nanoparticles	Si, >99.9%, APS:<50/>50nm
VIPL0032	Silver Nanoparticles	Ag, 99.99%, APS:<50/>50nm
VIPL0033	Sulphur Nanoparticles	S, >99.9%, APS:<50/>50nm
VIPL0034	Super Activated Carbon Nanoparticles	C, >99.9%, APS:<50/>50nm
VIPL0035	Tantalum Nanoparticles	Ta, >99.9%, APS:<50/>50nm
VIPL0036	Tellurium Nanoparticles	Te, >99.9%, APS:<50/>50nm
VIPL0037	Tin Nanoparticles	Sn, >99.9%, APS:<50/>50nm
VIPL0038	Titanium Nanoparticles	Ti, >99.9%, APS:<50/>50nm
VIPL0039	Tungsten Nanoparticles	W, >99.9%, APS:<50/>50nm
VIPL0040	Vanadium Nanoparticles	V, >99.9%, APS:<50/>50nm
VIPL0041	Yttrium Nanoparticles	Y, >99.9%, APS:<50/>50nm
VIPL0042	Zinc Nanoparticles	Zn, >99.9%, APS:<50/>50nm
VIPL0043	Zirconium Nanoparticles	Zr, >99.9%, APS:<50/>50nm
VIPL0044	Graphene Nanoparticles	C, 99%, Thickness 0.5-2nm

ALLOY NANOPARTICLES

Alloy nanoparticles are nanoscale particles composed of **two or more metallic elements** that are **chemically combined**, not just physically mixed. They exhibit **enhanced physical and chemical properties** due to synergistic interactions between the constituent metals, making them highly valuable in **catalysis, energy, biomedical, and sensor** applications.

These are **nanoscale particles (1–100 nm)** composed of **two or more metallic elements** that are **chemically combined** to form a **single-phase or multi-phase structure**. These nanoparticles exhibit **enhanced physical, chemical, magnetic, and catalytic properties** due to the **synergistic interactions** between their constituent metals.



ALLOY NANOPARTICLES

SL No.	Product Name	Specification
VIPL0045	Aluminium Magnesium Alloy Nanoparticles	Al-Mg, >99.9%, APS:<50/>50nm
VIPL0046	Chromium Carbide Nickel Chromium Alloy Nanoparticles	Cr3C2-NiCr, >99.9%, APS:<50/>50nm
VIPL0047	Copper Cadmium Alloy Nanoparticles	Cu-Cd, >99.9%, APS:<50/>50nm
VIPL0048	Copper Indium Alloy Nanoparticles	Cu-In, >99.9%, APS:<50/>50nm
VIPL0049	Copper Indium Gallium Alloy Nanoparticles	Cu-In-Ga, >99.9%, APS:<50/>50nm
VIPL0050	Copper Indium Sulphur Alloy Nanoparticles	Cu-In-S, >99.9%, APS:<50/>50nm
VIPL0051	Copper Nickel Alloy Nanoparticles	Cu-Ni, >99.9%, APS:<50/>50nm
VIPL0052	Copper Tin Alloy Nanoparticles	Cu-Sn, >99.9%, APS:<50/>50nm
VIPL0053	Copper Zinc Alloy Nanoparticles	Cu-Zn, >99.9%, APS:<50/>50nm
VIPL0054	Gold Copper Alloy Nanoparticles	Au-Cu, >99.9%, APS:<50/>50nm
VIPL0055	Gold Tin Alloy Nanoparticles	Au-Sn, >99.9%, APS:<50/>50nm
VIPL0056	Iron Boron Alloy Nanoparticles	Fe-B, >99.9%, APS:<50/>50nm
VIPL0057	Iron Chromium Cobalt Alloy Nanoparticles	Fe-Cr-Co, >99.9%, APS:<50/>50nm
VIPL0058	Iron Molybdenum Alloy Nanoparticles	Fe-Mo, >99.9%, APS:<50/>50nm
VIPL0059	Iron Nickel Alloy Nanoparticles	Fe-Ni, >99.9%, APS:<50/>50nm
VIPL0060	Iron Nickel Cobalt Alloy Nanoparticles	Fe-Ni-Co, >99.9%, APS:<50/>50nm
VIPL0061	Iron Niobium Alloy Nanoparticles	Fe-Nb, >99.9%, APS:<50/>50nm
VIPL0062	Iron Silicon Alloy Nanoparticles	Fe-Si, >99.9%, APS:<50/>50nm
VIPL0063	Iron Titanium Alloy Nanoparticles	Fe-Ti, >99.9%, APS:<50/>50nm
VIPL0064	Iron Tungsten Alloy Nanoparticles	Fe-W, >99.9%, APS:<50/>50nm
VIPL0065	Iron Vanadium Alloy Nanoparticles	Fe-V, >99.9%, APS:<50/>50nm
VIPL0066	Lanthanum Iron Palladium Alloy Nanoparticles	La-Fe-Pd, >99.9%, APS:<50/>50nm
VIPL0067	Neodymium Iron Boron Alloy Nanoparticles	Nd-Fe-B, >99.9%, APS:<50/>50nm
VIPL0068	Nickel Aluminium Alloy Nanoparticles	Ni-Al, >99.9%, APS:<50/>50nm
VIPL0069	Nickel Chromium Alloy Nanoparticles	Ni-Cr, >99.9%, APS:<50/>50nm
VIPL0070	Nickel Chromium Cobalt Alloy Nanoparticles	Ni-Cr-Co, >99.9%, APS:<50/>50nm
VIPL0071	Nickel Graphite Alloy Nanoparticles	Ni-C, >99.9%, APS:<50/>50nm
VIPL0072	Nickel Titanium Alloy Nanoparticles	Ni-Ti, >99.9%, APS:<50/>50nm
VIPL0073	Palladium Silver Alloy Nanoparticles	Pd-Ag, >99.9%, APS:<50/>50nm
VIPL0074	Platinum Europium Alloy Nanoparticles	Pt-Eu, >99.9%, APS:<50/>50nm
VIPL0075	Platinum Iridium Alloy Nanoparticles	Pt-Ir, >99.9%, APS:<50/>50nm
VIPL0076	Silicon Aluminium Alloy Nanoparticles	Si-Al, >99.9%, APS:<50/>50nm
VIPL0077	Silver Copper Alloy Nanoparticles	Ag-Cu, >99.9%, APS:<50/>50nm
VIPL0078	Silver Nickel Alloy Nanoparticles	Ag-Ni, >99.9%, APS:<50/>50nm
VIPL0079	Silver Palladium Alloy Nanoparticles	Ag-Pd, >99.9%, APS:<50/>50nm
VIPL0080	Silver Tin Alloy Nanoparticles	Ag-Sn, >99.9%, APS:<50/>50nm
VIPL0081	Silver Zirconium Alloy Nanoparticles	Ag-Zr, >99.9%, APS:<50/>50nm
VIPL0082	Stainless Steel Alloy Nanoparticles	>99.9%, APS:<50/>50nm
VIPL0083	Tantalum Niobium Carbide Alloy Nanoparticles	Ta-NbC, >99.9%, APS:<50/>50nm
VIPL0084	Titanium Carbide Tungsten Carbide Alloy Nanoparticles	TiC-WC, >99.9%, APS:<50/>50nm
VIPL0085	Titanium Tantalum Carbide Tungsten Carbide Alloy Nanoparticles	Ti-TaC-WC, >99.9%, APS:<50/>50nm
VIPL0086	Tungsten Carbide Chromium Carbide Nickel Alloy Nanoparticles	WC-CrC-Ni, >99.9%, APS:<50/>50nm
VIPL0087	Tungsten Carbide Cobalt Alloy Nanoparticles	WC-Co, >99.9%, APS:<50/>50nm
VIPL0088	Tungsten Carbide Cobalt Chromium Alloy Nanoparticles	WC-Co-Cu, >99.9%, APS:<50/>50nm

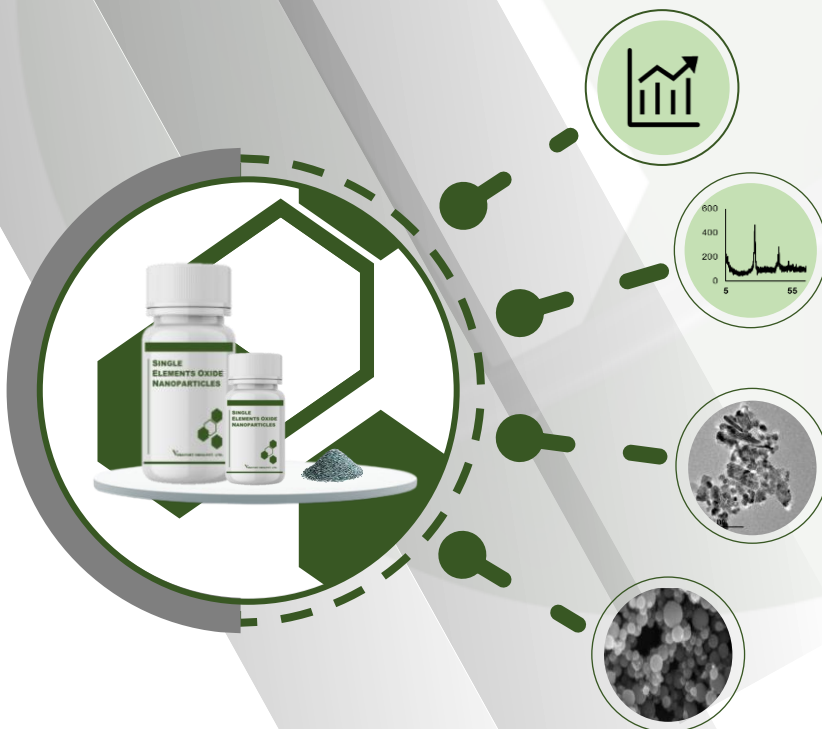
ALLOY NANOPARTICLES

SL No.	Product Name	Specification
VIPL0089	Tungstun Carbide Nickel Alloy Nanoparticles	WC-Ni, 99.9%, APS:<50/>50nm
VIPL0090	Devard'S Alloy Nanoparticles	99.9%, APS:<50/>50nm
VIPL0091	Cobalt Chromium Alloy Nanoparticles	99.9%, APS:<50/>50nm
VIPL0092	Cobalt Chromium Aluminium Yttrium Alloy Nanoparticles	99.9%, APS:<50/>50nm
VIPL0093	Nickel Chromium Aluminium Yttrium Alloy Nanoparticles	99.9%, APS:<50/>50nm
VIPL0094	Nickel Cobalt Chromium Aluminium Alloy Nanoparticles	99.9%, APS:<50/>50nm
VIPL0095	Vanadium Aluminium Alloy Nanoparticles	99.9%, APS:<50/>50nm
VIPL0096	Zirconium Nickel Alloy Nanoparticles	99.9%, APS:<50/>50nm
VIPL0097	Zirconium Aluminium Alloy Nanoparticles	99.9%, APS:<50/>50nm
VIPL0098	Tungsten Chromium Alloy Nanoparticles	99.9%, APS:<50/>50nm
VIPL0099	Titanium Aluminide Alloy Nanoparticles	99.9%, APS:<50/>50nm

SINGLE ELEMENTS OXIDE NANOPARTICLES

Single Element Oxide Nanoparticles are nanoparticles composed of **oxides of a single metal element**, typically in the **size range of 1–100 nanometers**. These oxides retain the core properties of their parent metal but exhibit **unique physicochemical characteristics** due to their nanoscale dimensions.

These are nanoparticles composed of the **oxide form of a single metallic or non-metallic element**. Their particle size is typically between **1 to 100 nanometers**, which significantly changes their surface energy, optical properties, and reactivity compared to bulk materials.



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SINGLE ELEMENT OXIDE NANOPARTICLES

SL No.	Product Name	Specification
VIPL0100	Activated Silicon Oxide Nanoparticles	SiO ₂ , >99.9%, APS:<50/>50nm
VIPL0101	Aluminium Oxide Nanoparticles	Al ₂ O ₃ , >99.9%, APS:<50/>50nm
VIPL0102	Aluminum Hydroxide Nanoparticles	Al(OH) ₃ , >99.9%, APS:<50/>50nm
VIPL0103	Antimony Oxide Nanoparticles	Sb ₂ O ₃ , >99.9%, APS:<50/>50nm
VIPL0104	Bismuth Oxide Nanoparticles	Bi ₂ O ₃ , >99.9%, APS:<50/>50nm
VIPL0105	Cerium Oxide Nanoparticles	CeO ₂ , >99.9%, APS:<50/>50nm
VIPL0106	Chromium Oxide Nanoparticles	Cr ₂ O ₃ , >99.9%, APS:<50/>50nm
VIPL0107	Cobalt Oxide Nanoparticles	Co ₃ O ₄ , 99.9%, APS40-80 nm
VIPL0108	Cobalt(iii) Oxide Nanoparticles	Co ₂ O ₃ , >99.9%, APS:<50/>50nm
VIPL0109	Copper Oxide Long Fibrous Nanoparticles	CuO, >99.9%, APS:<50/>50nm
VIPL0110	Copper Oxide Nanoparticles	CuO, >99.9%, APS:<50/>50nm
VIPL0111	Dysprosium Oxide Nanoparticles	Dy ₂ O ₃ , >99.9%, APS:<50/>50nm
VIPL0112	Europium Oxide Nanoparticles	Eu ₂ O ₃ , >99.9%, APS:<50/>50nm
VIPL0113	Gadolinium Oxide Nanoparticles	Gd ₂ O ₃ , >99.9%, APS:<50/>50nm
VIPL0114	Gallium Oxide Nanoparticles	Ga ₂ O ₃ , >99.9%, APS:<50/>50nm
VIPL0115	Hafnium Oxide Nanoparticles	HfO ₂ , >99.9%, APS:<50/>50nm
VIPL0116	Indium Hydroxide Nanoparticles	In(OH) ₃ , >99.9%, APS:<50/>50nm
VIPL0117	Indium Oxide Nanoparticles	In ₂ O ₃ , >99.9%, APS:<50/>50nm
VIPL0118	Iron Hydroxide Nanoparticles	Fe(OH) ₃ , >99.9%, APS:<50/>50nm
VIPL0119	Iron Oxide Nanoparticles	Fe ₂ O ₃ , >99.9%, APS:<50/>50nm
VIPL0120	Lanthanum Oxide Nanoparticles	La ₂ O ₃ , >99.9%, APS:<50/>50nm
VIPL0121	Magnesium Hydroxide Nanoparticles	Mg(OH) ₂ , >99.9%, APS:<50/>50nm
VIPL0122	Magnesium Oxide Nanoparticles	MgO, >99.9%, APS:<50/>50nm
VIPL0123	Magnetite Oxide Nanoparticles	Fe ₃ O ₄ , >99.9%, APS:<50/>50nm
VIPL0124	Manganese Dioxide Nanoparticles	Mn ₂ O ₃ , >99.9%, APS:<50/>50nm
VIPL0125	Manganese Oxide Nanoparticles	Mn ₃ O ₄ , >99.9%, APS:<50/>50nm
VIPL0126	Molybdenum Oxide Nanoparticles	MoO ₃ , >99.9%, APS:<50/>50nm
VIPL0127	Neodymium Oxide Nanoparticles	Nd ₂ O ₃ , >99.9%, APS:<50/>50nm
VIPL0128	Nickel Hydroxide Nanoparticles	Ni(OH) ₂ , >99.9%, APS:<50/>50nm
VIPL0129	Nickel Oxide Nanoparticles	NiO, >99.9%, APS:<50/>50nm
VIPL0130	Praseodymium Oxide Nanoparticles	Pr ₆ O ₁₁ , >99.9%, APS:<50/>50nm
VIPL0131	Samarium Oxide Nanoparticles	Sm ₂ O ₃ , >99.9%, APS:<50/>50nm
VIPL0132	Silicon Oxide Nanoparticles	SiO ₂ , >99.9%, APS:<50/>50nm
VIPL0133	Silver Oxide Nanoparticles	Ag ₂ O, >99.9%, APS:<50/>50nm
VIPL0134	Superparamagnetic Iron Oxide Nanoparticles	Fe ₃ O ₄ , >99.9%, APS:<50/>50nm
VIPL0135	Terbium Oxide Nanoparticles	Tb ₄ O ₇ , >99.9%, APS:<50/>50nm
VIPL0136	Tin Dioxide Nanoparticles	SnO ₂ , >99.9%, APS:<50/>50nm
VIPL0137	Titanium Oxide Nanoparticles	TiO ₂ , >99.9%, APS:<50/>50nm
VIPL0138	Tungsten Oxide Nanoparticles	WO ₃ , >99.9%, APS:<50/>50nm
VIPL0139	Yttrium Oxide Nanoparticles	Y ₂ O ₃ , >99.9%, APS:<50/>50nm
VIPL0140	Zinc Oxide Nanoparticles	ZnO, >99.9%, APS:<50/>50nm
VIPL0141	Zinc Oxide Nanoparticles Coated With 1Wt% Silane	ZnO, >99.9%, APS:<50/>50nm
VIPL0142	Zirconium Hydroxide Nanoparticles	Zr(OH) ₄ , >99.9%, APS:<50/>50nm
VIPL0143	Zirconium Oxide Nanoparticles	ZrO ₂ , >99.9%, APS:<50/>50nm

SINGLE ELEMENT OXIDE NANOPARTICLES

SL No.	Product Name	Specification
VIPL0144	Germanium Oxide Nanoparticles	GeO2, 99.9%, APS <200 nm
VIPL0145	Graphene Oxide Nanoparticles	GO, 99%, Thickness 0-2nm
VIPL0146	Erbium Oxide Nanoparticles	Er2O3, 99.9%, APS:<50/>50nm
VIPL0147	Vanadium Pentoxide Nanoparticles	V2O5, 99.9%, APS:<50/>50nm
VIPL0524	Boron Oxide Nanoparticles	B2O3, >99.9% APS:<50/>50nm

MULTI ELEMENTS OXIDE NANOPARTICLES

Multi-Element Oxide Nanoparticles are **nanoparticles composed of oxides containing two or more metallic elements**. These complex oxides exhibit **synergistic properties** not found in single-element oxides, making them suitable for **advanced catalytic, magnetic, electronic, and environmental applications**.

These are nanoscale particles composed of oxides of more than one metal element. These can include binary oxides (e.g., NiFe_2O_4), ternary oxides, or even more complex compositions. Their unique properties stem from the synergistic effects of the combined metal elements, which enhance their performance in various applications.



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MULTI ELEMENT OXIDE NANOPARTICLES

SL No.	Product Name	Specification
VIPL0148	Antimony Tin Oxide (Ato) Nanoparticles	SnO ₂ :Sb ₂ O ₃ , >99.9%, APS:<50/>50nm
VIPL0149	Aluminium Doped Zinc (Azo) Oxide Nanoparticles	>99.9%, APS:<50/>50nm
VIPL0150	Barium Iron Oxide Nanoparticles	BaFe ₁₂ O ₁₉ , >99.9%, APS:<50/>50nm
VIPL0151	Barium Strontium Titanate Nanoparticles	BaO ₄ SrTi, >99.9%, APS:<50/>50nm
VIPL0152	Barium Titanate Nanoparticles	BaTiO ₃ , >99.9%, APS:<50/>50nm
VIPL0153	Cobalt Iron Oxide Nanoparticles	CoFe ₂ O ₄ , >99.9%, APS:<50/>50nm
VIPL0154	Indium Tin Oxide (Ito) Nanoparticles	In ₂ O ₃ :SnO ₂ , >99.9%, APS:<50/>50nm
VIPL0155	Magnesium Aluminate Oxide Nanoparticles	Al ₂ MgO ₄ , >99.9%, APS:<50/>50nm
VIPL0156	Manganese Iron Oxide Nanoparticles	MnFe ₂ O ₄ , >99.9%, APS:<50/>50nm
VIPL0157	Nickel Cobalt Iron Oxide Nanoparticles	Ni _{0.5} Co _{0.5} Fe ₂ O ₄ , >99.9%, APS:<50/>50nm
VIPL0158	Nickel Iron Oxide Nanoparticles	NiFe ₂ O ₄ , >99.9%, APS:<50/>50nm
VIPL0159	Nickel Zinc Iron Oxide Nanoparticles	Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ , >99.9%, APS:<50/>50nm
VIPL0160	Precipitated Barium Sulfate Oxide Nanoparticles	BaSO ₄ , >99.9%, APS:<50/>50nm
VIPL0161	Precipitated Calcium Carbonate Oxide Nanoparticles	CaCO ₃ , >99.9%, APS:<50/>50nm
VIPL0162	Strontium Iron Oxide Nanoparticles	SrFe ₁₂ O ₁₉ , >99.9%, APS:<50/>50nm
VIPL0163	Strontium Titanate Nanoparticles	SrTiO ₃ , >99.9%, APS:<50/>50nm
VIPL0164	Yttrium Aluminate Nanoparticles	Y ₃ Al ₅ O ₁₂ , >99.9%, APS:<50/>50nm
VIPL0165	Zinc Cobalt Iron Oxide Nanoparticles	Zn _{0.5} Co _{0.5} Fe ₂ O ₄ , >99.9%, APS:<50/>50nm
VIPL0166	Zinc Iron Oxide Nanoparticles	ZnFe ₂ O ₄ , >99.9%, APS:<50/>50nm
VIPL0167	Zinc Manganese Iron Oxide Nanoparticles	Zn _{0.5} Mn _{0.5} Fe ₂ O ₄ , >99.9%, APS:<50/>50nm
VIPL0168	Zirconia Toughened Alumina (Zta) Nanoparticles	ZrO/Al ₂ O ₃ , >99.9%, APS:<50/>50nm
VIPL0169	Zirconia Yttria Nanoparticles	ZrO ₂ -3Y, >99.9%, APS:<50/>50nm
VIPL0170	Zirconium Barium Titanate (Bzt) Nanoparticles	Zr _{0.2} BaTi _{0.8} O ₃ , >99.9%, APS:<50/>50nm
VIPL0171	Titanium Silicon Oxide Nanoparticles	TiO ₂ SiO ₂ , >99.9%, APS:<50/>50nm

COMPOUND NANOPARTICLES

Compound nanoparticles are nanoparticles made from two or more different elements chemically combined, forming a new material with distinct physical and chemical properties. Unlike simple elemental or alloy nanoparticles, compound nanoparticles are typically crystalline materials like oxides, sulfides, nitrides, carbides, etc.

They exhibit unique properties due to the interaction between different atomic species, and are widely used in catalysis, electronics, energy, environmental, and biomedical fields.



COMPOUND NANOPARTICLES

SL No. Product Name

Specification

VIPL0172 Aluminium Nitride Nanoparticles	AlN, 99.9%, APS:<50/>50nm
VIPL0173 Barium Carbonate Nanoparticles	BaCO ₃ , 99.9%, APS:<50/>50nm
VIPL0174 Barium Ferrite Nanoparticles	BaFe ₁₂ O ₁₉ , 99.9%, APS:<50/>50nm
VIPL0175 Barium Fluoride Nanoparticles	BaF ₂ , 99.9%, APS:<50/>50nm
VIPL0176 Barium Sulfate Nanoparticles	BaSO ₄ , 99.9%, APS:<50/>50nm
VIPL0177 Barium Tungstate Nanoparticles	BaWO ₄ , 99.9%, APS:<50/>50nm
VIPL0178 Bismuth Ferrite Nanoparticles	BiFeO ₃ , 99.9%, APS:<50/>50nm
VIPL0179 Bismuth Telluride Nanoparticles	Bi ₂ Te ₃ , 99.9%, APS:<50/>50nm
VIPL0180 Bismuth Tungstate Nanoparticles	Bi ₂ (WO ₄), 99.9%, APS:<50/>50nm
VIPL0181 Boron Carbide Nanoparticles	B ₄ C, 99.9%, APS:<50/>50nm
VIPL0182 Boron Nitride Nanoparticles	BN, 99.9%, APS:<50/>50nm
VIPL0183 Boron Silicide Nanoparticles	SiB ₆ , 99.9%, APS:<50/>50nm
VIPL0184 Cadmium Nitrate Nanoparticles	Cd(NO ₃) ₂ , 99.9%, APS:<50/>50nm
VIPL0185 Cadmium Sulfide Nanoparticles	CdS, 99.9%, APS:<50/>50nm
VIPL0186 Cadmium Telluride Nanoparticles	CdTe, 99.9%, APS:<50/>50nm
VIPL0187 Cadmium Tungstate Nanoparticles	CdWO ₄ , 99.9%, APS:<50/>50nm
VIPL0188 Calcium Carbonate Nanoparticles	CaCO ₃ , 99.9%, APS:<50/>50nm
VIPL0189 Calcium Sulfate Nanoparticles	CaSO ₄ , 99.9%, APS:<50/>50nm
VIPL0190 Calcium Sulfide Nanoparticles	CaF ₂ , 99.9%, APS:<50/>50nm
VIPL0191 Carbon Aluminum Nitride Nanoparticles	AlNC, 99.9%, APS:<50/>50nm
VIPL0192 Carbon Titanium Nitride Nanoparticles	TiNC, 99.9%, APS:<50/>50nm
VIPL0193 Cesium Carbonate Nanoparticles	Ce ₂ CO ₃ , 99.9%, APS:<50/>50nm
VIPL0194 Cesium Telluride Nanoparticles	Ce ₂ TeO ₃ , 99.9%, APS:<50/>50nm
VIPL0195 Cesium Tungsten Nanoparticles	Ce ₂ WO ₄ , 99.9%, APS:<50/>50nm
VIPL0196 Chromium Carbide Nanoparticles	Cr ₃ C ₂ , 99.9%, APS:<50/>50nm
VIPL0197 Chromium Nitride Nanoparticles	CrN, 99.9%, APS:<50/>50nm
VIPL0198 Cobalt Sulphide Nanoparticles	CoXSY, 99.9%, APS:<50/>50nm
VIPL0199 Cobalt Zinc Ferrite Nanoparticles	Co _{0.5} Zn _{0.5} Fe ₂ O ₄ , 99.9%, APS:<50/>50nm
VIPL0200 Copper Monosulfide Nanoparticles	CuS, 99.9%, APS:<50/>50nm
VIPL0201 Copper Silicate Nanoparticles	CuO ₃ Si, 99.9%, APS:<50/>50nm
VIPL0202 Gallium Sulfate Nanoparticles	Ga ₂ (SO ₄), 99.9%, APS:<50/>50nm
VIPL0203 Gallium Trichloride Nanoparticles	GaCl ₃ , 99.9%, APS:<50/>50nm
VIPL0204 Gold Chloride Nanoparticles	AuCl, 99.9%, APS:<50/>50nm
VIPL0205 Hafnium Carbide Nanoparticles	HfC, 99.9%, APS:<50/>50nm
VIPL0206 Hafnium Chloride Nanoparticles	HfCl ₄ , 99.9%, APS:<50/>50nm
VIPL0207 Hafnium Diboride Nanoparticles	HfB ₂ , 99.9%, APS:<50/>50nm
VIPL0208 Hydrated Lime Nanoparticles	Ca(OH) ₂ , 99.9%, APS:<50/>50nm
VIPL0209 Indium Chloride Nanoparticles	InCl ₃ , 99.9%, APS:<50/>50nm
VIPL0210 Indium Fluoride Nanoparticles	InF ₃ , 99.9%, APS:<50/>50nm
VIPL0211 Indium Nitride Nanoparticles	InN ₃₀₉ .XH ₂ O, 99.9%, APS:<50/>50nm
VIPL0212 Indium Sulfate Nanoparticles	In ₂ (SO ₄) ₃ , 99.9%, APS:<50/>50nm
VIPL0213 Indium Sulfide Nanoparticles	In ₂ S ₃ , 99.9%, APS:<50/>50nm
VIPL0214 Indium Telluride Nanoparticles	In ₂ Te ₃ , 99.9%, APS:<50/>50nm
VIPL0215 Iridium Chloride Nanoparticles	IrCl ₃ , 99.9%, APS:<50/>50nm

COMPOUND NANOPARTICLES

SL No. Product Name

Specification

VIPL0216 Iron Bromide Nanoparticles	FeBr ₂ , 99.9%, APS:<50/>50nm
VIPL0217 Iron Carbide Nanoparticles	Fe ₅ C ₂ , 99.9%, APS:<50/>50nm
VIPL0218 Iron Sulfide Nanoparticles	FeS, 99.9%, APS:<50/>50nm
VIPL0219 Lanthanum Chloride Nanoparticles	LaCl ₂ , 99.9%, APS:<50/>50nm
VIPL0220 Lanthanum Fluoride Nanoparticles	LaF ₃ , 99.9%, APS:<50/>50nm
VIPL0221 Lanthanum Hexaboride Nanoparticles	LaB ₆ , 99.9%, APS:<50/>50nm
VIPL0222 Lanthanum Trifluoride Nanoparticles	LaF ₃ , 99.9%, APS:<50/>50nm
VIPL0223 Lead Nitride Nanoparticles	Pb(NO ₃) ₂ , 99.9%, APS:<50/>50nm
VIPL0224 Lead Sulfide Nanoparticles	PbS, 99.9%, APS:<50/>50nm
VIPL0225 Lead Telluride Nanoparticles	PbTe, 99.9%, APS:<50/>50nm
VIPL0226 Lead Tungsten Nanoparticles	PbWO ₄ , 99.9%, APS:<50/>50nm
VIPL0227 Lithium Borohydride Nanoparticles	LiBH ₄ , 99.9%, APS:<50/>50nm
VIPL0228 Lithium Fluoride Nanoparticles	LiF, 99.9%, APS:<50/>50nm
VIPL0229 Lithium Telluride Nanoparticles	Li ₂ Te, 99.9%, APS:<50/>50nm
VIPL0230 Lithium Tungsten Nanoparticles	Li ₂ WO ₄ , 99.9%, APS:<50/>50nm
VIPL0231 Magnesium Carbonate Nanoparticles	MgCO ₃ , 99.9%, APS:<50/>50nm
VIPL0232 Magnesium Chloride Nanoparticles	MgCl ₂ , 99.9%, APS:<50/>50nm
VIPL0233 Magnesium Fluoride Nanoparticles	MgF ₂ , 99.9%, APS:<50/>50nm
VIPL0234 Magnesium Nitrate Nanoparticles	Mg(NO ₃) ₂ , 99.9%, APS:<50/>50nm
VIPL0235 Magnesium Nitride Nanoparticles	Mg ₃ N ₂ , 99.9%, APS:<50/>50nm
VIPL0236 Magnesium Tungsten Nanoparticles	MgWO ₄ , 99.9%, APS:<50/>50nm
VIPL0237 Manganese Nitride Nanoparticles	Mn ₃ N ₂ , 99.9%, APS:<50/>50nm
VIPL0238 Manganese Sulphide Nanoparticles	MnS, 99.9%, APS:<50/>50nm
VIPL0239 Manganese Tungsten Nanoparticles	MnO ₄ W, 99.9%, APS:<50/>50nm
VIPL0240 Molybdenum Carbide Nanoparticles	Mo ₂ C, 99.9%, APS:<50/>50nm
VIPL0241 Molybdenum Disilicide Nanoparticles	MoSi ₂ , 99.9%, APS:<50/>50nm
VIPL0242 Molybdenum Disulfide Nanoparticles	MoS ₂ , 99.9%, APS:<50/>50nm
VIPL0243 Nickel Zinc Ferrite Nanoparticles	Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ , 99.9%, APS:<50/>50nm
VIPL0244 Niobium Carbide Nanoparticles	NbC, 99.9%, APS:<50/>50nm
VIPL0245 Potassium Sulfate Nanoparticles	K ₂ SO ₄ , 99.9%, APS:<50/>50nm
VIPL0246 Potassium Tellurite Nanoparticles	K ₂ Te, 99.9%, APS:<50/>50nm
VIPL0247 Potassium Titanate Nanoparticles	K ₂ O.8TiO ₂ , 99.9%, APS:<50/>50nm
VIPL0248 Potassium Tungstate Nanoparticles	K ₂ WO ₄ , 99.9%, APS:<50/>50nm
VIPL0249 Ptf Nanoparticles	(C ₂ F ₄)N, 99.9%, APS:<50/>50nm
VIPL0250 Rubidium Tungstate Nanoparticles	Rb ₂ WO ₄ , 99.9%, APS:<50/>50nm
VIPL0251 Si ₃ N ₄ Nanoparticles	Si ₃ N ₄ , 99.9%, APS:<50/>50nm
VIPL0252 Silicon Carbide Nanoparticles	SiC, 99.9%, APS:<50/>50nm
VIPL0253 Silicon Nitride Nanoparticles	Si ₃ N ₄ , 99.9%, APS:<50/>50nm
VIPL0254 Silver Fluoride Nanoparticles	AgF, 99.9%, APS:<50/>50nm
VIPL0255 Silver Tungstate Nanoparticles	Ag ₂ WO ₄ , 99.9%, APS:<50/>50nm
VIPL0256 Sodium Fluoride Nanoparticles	NaF, 99.9%, APS:<50/>50nm
VIPL0257 Strontium Carbonate Nanoparticles	SrCO ₃ , 99.9%, APS:<50/>50nm
VIPL0258 Strontium Fluoride Nanoparticles	SrF ₂ , 99.9%, APS:<50/>50nm
VIPL0259 Strontium Titanate Nanoparticles	SrTiO ₃ , 99.9%, APS:<50/>50nm

COMPOUND NANOPARTICLES

SL No. Product Name

Specification

VIPL0260	Strontium Tungstate Nanoparticles	SrWO ₄ , 99.9%, APS: <50/>50nm
VIPL0261	Tantalum Carbide Nanoparticles	TaC, 99.9%, APS: <50/>50nm
VIPL0262	Hexagonal Boron Nitride	HBN, 99.9%, APS: <100 nm
VIPL0263	Tantalum Niobium Carbide Np'S	TaC:NbC=90:10, 99.9%, APS: <50/>50nm
VIPL0264	Tellurium Chloride Nanoparticles	Cl ₄ Te, 99.9%, APS: <50/>50nm
VIPL0265	Thallium Carbonate Nanoparticles	Tl ₂ CO ₃ , 99.9%, APS: <50/>50nm
VIPL0266	Thallium Nitrate Nanoparticles	TlNO ₃ , 99.9%, APS: <50/>50nm
VIPL0267	Thallium Sulfate Nanoparticles	Tl ₂ SO ₄ , 99.9%, APS: <50/>50nm
VIPL0268	Tin Chloride Nanoparticles	SnCl ₄ , 99.9%, APS: <50/>50nm
VIPL0269	Tin li Sulfide Nanoparticles	SnS, 99.9%, APS: <50/>50nm
VIPL0270	Tin Nitride Nanoparticles	Sn (NO ₃) ₄ , 99.9%, APS: <50/>50nm
VIPL0271	Tin Selenide Nanoparticles	SnSe, 99.9%, APS: <50/>50nm
VIPL0272	Titanium Boride Nanoparticles	TiB ₂ , 99.9%, APS: <50/>50nm
VIPL0273	Titanium Carbide Nanoparticles	TiC, 99.9%, APS: <50/>50nm
VIPL0274	Titanium Diboride Nanoparticles	TiB ₂ , 99.9%, APS: <50/>50nm
VIPL0275	Titanium Disilicide Nanoparticles	TiSi ₂ , 99.9%, APS: <50/>50nm
VIPL0276	Titanium Hydride Nanoparticles	TiH ₂ , 99.9%, APS: <50/>50nm
VIPL0277	Titanium Nitride Nanoparticles	TiSiO ₄ , 99.9%, APS: <50/>50nm
VIPL0278	Tungsten Carbide Cobalt Nanoparticles	WCCo, 99.9%, APS: <50/>50nm
VIPL0279	Tungsten Carbide Nanoparticles	WC, 99.9%, APS: <50/>50nm
VIPL0280	Tungsten Disulfide Nanoparticles	WS ₂ , 99.9%, APS: <50/>50nm
VIPL0281	Tungsten Titanium Carbide Nanoparticles	WC:TiC=50:50, 99.9%, APS: <50/>50nm
VIPL0282	Tungsten Titanium Tantalum Carbide Nanoparticles	WC:TiC:TaC=50:30:20, 99.9%, APS: <50/>50nm
VIPL0283	Vanadium Carbide Nanoparticles	VC, 99.9%, APS: <50/>50nm
VIPL0284	Vanadium Sulfate Nanoparticles	V ₂ (SO ₄) ₃ , 99.9%, APS: <50/>50nm
VIPL0285	Zinc Carbonate Nanoparticles	ZnCO ₃ , 99.9%, APS: <50/>50nm
VIPL0286	Zinc Chloride Nanoparticles	ZnCl ₂ , 99.9%, APS: <50/>50nm
VIPL0287	Zinc Sulphide Nanoparticles	ZnS, 99.9%, APS: <50/>50nm
VIPL0288	Zinc Titanate Nanoparticles	ZnTiO ₃ , 99.9%, APS: <50/>50nm
VIPL0289	Zirconium (li) Hydride Nanoparticles	ZrH ₂ , 99.9%, APS: <50/>50nm
VIPL0290	Zirconium Carbide Nanoparticles	ZrC, 99.9%, APS: <50/>50nm
VIPL0291	Zirconium Diboride Nanoparticles	ZrB ₂ , 99.9%, APS: <50/>50nm
VIPL0292	Zirconium Disilicide Nanoparticles	ZrSi ₂ , 99.9%, APS: <50/>50nm
VIPL0293	Zirconium Nitride Nanoparticles	ZrN, 99.9%, APS: <50/>50nm
VIPL0294	Zirconium Tungstate Nanoparticles	Zr(WO ₄) ₂ , 99.9%, APS: <50/>50nm
VIPL0295	Vanadium Hydride Nanoparticles	H ₅ V-5, 99.9%, APS: <50/>50nm
VIPL0296	Hafnium Hydride Nanoparticles	HfH ₂ , 99.9%, APS: <50/>50nm
VIPL0297	Calcium Hydride Nanoparticles	CaH ₂ , 99.9%, APS: <50/>50nm
VIPL0298	Aluminium Carbide Nanoparticles	Al ₄ C ₃ , 99.9%, APS: <50/>50nm
VIPL0299	Manganese Carbide Nanoparticles	C ₂ Mg, 99.9%, APS: <50/>50nm
VIPL0300	Titanium Carbonitride Nanoparticles	TiCN, 99.9%, APS: <50/>50nm
VIPL0301	Chromium Boride Nanoparticles	Cr ₃ B ₄ , 99.9%, APS: <50/>50nm
VIPL0302	Nickel Boride Nanoparticles	Ni ₂ B, 99.9%, APS: <50/>50nm
VIPL0303	Magnesium Boride Nanoparticles	MgB ₂ , 99.9%, APS: <50/>50nm

COMPOUND NANOPARTICLES

SL No.	Product Name	Specification
VIPL0304	Silicon Boride Nanoparticles	SiB6, 99.9%, APS:<50/>50nm
VIPL0305	Aluminium Boride Nanoparticles	AlB2, 99.9%, APS:<50/>50nm
VIPL0306	Molybdenum Boride Nanoparticles	BMo, 99.9%, APS:<50/>50nm
VIPL0307	Manganese Boride Nanoparticles	MgB2, 99.9%, APS:<50/>50nm
VIPL0308	Niobium Boride Nanoparticles	NbB2, 99.9%, APS:<50/>50nm
VIPL0309	Cobalt Boride Nanoparticles	Co2B, 99.9%, APS:<50/>50nm
VIPL0310	Vanadium Boride Nanoparticles	B2V, 99.9%, APS:<50/>50nm
VIPL0311	Tungsten Boride Nanoparticles	B5W2, 99.9%, APS:<50/>50nm
VIPL0312	Calcium Nitride Nanoparticles	Ca3N2, 99.9%, APS:<50/>50nm
VIPL0313	Hafnium Nitride Nanoparticles	HfN, 99.9%, APS:<50/>50nm
VIPL0314	Aluminium Silicide Nanoparticles	Al4Si3, 99.9%, APS:<50/>50nm
VIPL0315	Chromium Silicide Nanoparticles	CrSi2, 99.9%, APS:<50/>50nm
VIPL0316	Magnesium Silicide Nanoparticles	Mg2Si, 99.9%, APS:<50/>50nm
VIPL0317	Calcium Silicide Nanoparticles	CaSi2, 99.9%, APS:<50/>50nm
VIPL0318	Vanadium Silicide Nanoparticles	VSi2, 99.9%, APS:<50/>50nm
VIPL0319	Manganese Silicide Nanoparticles	MnSi2, 99.9%, APS:<50/>50nm
VIPL0320	Ferric Silicide Nanoparticles	FeSi, 99.9%, APS:<50/>50nm
VIPL0321	Niobium Silicide Nanoparticles	NbSi2, 99.9%, APS:<50/>50nm
VIPL0322	Tungsten Silicide Nanoparticles	WSi2, 99.9%, APS:<50/>50nm
VIPL0323	Nickel Silicide Nanoparticles	Ni2Si, 99.9%, APS:<50/>50nm
VIPL0324	Calcium Hydroxide Nanoparticles	Ca(OH)2,99.9%, APS:<50/>50nm

CLAY NANOPARTICLES

Clay nanoparticles are nanoscale particles derived from natural or synthetic clays. They typically have **platelet-like or tubular structures**, with at least one dimension in the nanometer range (1–100 nm). These nanoparticles are often used as **reinforcing agents** in polymer nanocomposites due to their **layered structure, high surface area, and adsorptive properties**.

Clay minerals like montmorillonite, kaolinite, halloysite, and laponite. These particles have layered or tubular structures and exhibit excellent surface area, ion exchange ability, and mechanical strength.



CLAY NANOPARTICLES

SL No.	Product Name	Specification
VIPL0325	Cellulose Nanoparticles	99.5%, APS <100 nm
VIPL0326	Chitosan Nanoparticles	99.9%, APS <100 nm
VIPL0327	Clay Nanoparticles	99.5%, APS <100 nm
VIPL0328	Expanded Perlite Nanoparticles	>99%, APS <100 nm
VIPL0329	Gelatin Nanoparticles	>99%, APS <100 nm
VIPL0330	Halloysite Clay Nanotubes	>99%, APS <100 nm
VIPL0331	Hydroxyapatite Nanoparticles	>99.9%, APS <100 nm
VIPL0332	Kaolin Nanoclay	>99%, APS <100 nm
VIPL0333	Mica Nanoparticles	>99%, APS <100 nm
VIPL0334	Montmorillonite Bentonite Nanoclay	>99%, APS <100 nm
VIPL0335	Montmorillonite Nanoclay	>99%, APS <100 nm
VIPL0336	Nanoclay Modified Asphalt Materials	>99%, APS <100 nm
VIPL0337	Nanoclay Powder	>99%, APS <100 nm
VIPL0338	Perlite Clay Mix	>99%, APS <100 nm
VIPL0339	Perlite Nanoclay Powder	>99%, APS <100 nm
VIPL0340	Saponite Nanoclay	>99%, APS <100 nm
VIPL0341	Silver Coated Hydroxyapatite Np'S	>99%, APS <100 nm
VIPL0342	Zeolite Nanoparticles	99.9%, APS <100 nm
VIPL0343	Super Grade Mica Powder	>99%, APS <100 nm
VIPL0344	Calcined Mica Powder	>99%, APS <100 nm
VIPL0345	Bentonite Nanoclay	>99%, APS <100 nm

NANO TUBES

Nanotubes are **cylindrical nanostructures** with diameters in the **nanometer range (1–100 nm)** and lengths that can extend up to several micrometers or even millimeters. The most studied and widely used nanotubes are **Carbon Nanotubes (CNTs)**, but other types include **boron nitride nanotubes (BNNTs)** and **inorganic nanotubes**.

These are **one-dimensional nanostructures** with a hollow cylindrical shape. Their diameters are in the **nanometer range (1–100 nm)**, and lengths can reach up to **several millimeters**, giving them a **very high aspect ratio**. Their unique structure gives them **extraordinary mechanical, electrical, and thermal properties**.



SL No.	Product Name	Specification
VIPL0403	Aluminum Carbon Nanotubes	PURITY 99%+
VIPL0404	Aluminum Nitride Nanotubes	PURITY 99%+
VIPL0405	Boron Nitride Nanotubes	PURITY 99%+
VIPL0406	Cadmium Selenide Nanotube	PURITY 99%+
VIPL0407	Copper Carbon Nanotubes	PURITY 99%+
VIPL0408	Copper Nanotubes	PURITY 99%+
VIPL0409	Double-Walled Carbon Nanotubes	PURITY 99%+
VIPL0410	Fullerene Nanotubes, Multi-Walled	PURITY 99%+
VIPL0411	Fullerene Nanotubes, Single-Walled	PURITY 99%+
VIPL0412	Gold Nanotubes	PURITY 99%+
VIPL0413	Halloysite Nanotubes	PURITY 99%+
VIPL0414	Magnesium Carbon Nanotubes	PURITY 99%+
VIPL0415	Molybdenum Disulfide Nanotubes	PURITY 99%+
VIPL0416	Multi-Walled Carbon Nanotubes	PURITY 99%+
VIPL0417	Nickel Carbon Nanotubes	PURITY 99%+
VIPL0418	Silicon Nanotubes	PURITY 99%+
VIPL0419	Silver Gold Nanotube	PURITY 99%+
VIPL0420	Silver Nanotubes	PURITY 99%+
VIPL0421	Tin Carbon Nanotubes	PURITY 99%+
VIPL0422	Titanium Carbon Nanotubes	PURITY 99%+
VIPL0423	Titanium Oxide Nanotubes	PURITY 99%+
VIPL0424	Zirconia Nanotubes	PURITY 99%+

COLLOIDAL SOLUTION & SUSPENSION

A colloidal solution (or colloid) is a heterogeneous mixture where fine particles (1–100 nanometers) are dispersed evenly throughout another substance (the dispersion medium). These particles do not settle down on standing and cannot be separated by filtration.

A suspension is a heterogeneous mixture where we disperse larger solid particles in a liquid. These particles are visible to the naked eye, settle down on standing, and can be separated by filtration.



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COLLOIDAL SOLUTION & SUSPENSION

SL No.	Product Name	Specification
VIPL0525	Silver Copper Solution	PURITY 99%+
VIPL0526	Colloidal Silver	PURITY 99%+
VIPL0527	Nano Copper Solution	PURITY 99%+
VIPL0528	Zinc oxide Nano Dispersion	PURITY 99%+
VIPL0529	Aluminium oxide Nano Dispersion	PURITY 99%+
VIPL0530	Magnesium oxide Nano Dispersion	PURITY 99%+
VIPL0531	Carbon Nano Dispersion	PURITY 99%+
VIPL0532	Nano clay liquid	PURITY 99%+
VIPL0533	Nano silica liquid	PURITY 99%+
VIPL0534	Titanium Dioxide Dispersion	PURITY 99%+
VIPL0535	Iron oxide Nanoparticles Suspension	PURITY 99%+
VIPL0536	Boron nitride Nanoparticles Dispersion	PURITY 99%+
VIPL0537	Zirconium oxide Nanoparticles Dispersion	PURITY 99%+
VIPL0538	Titanium Dioxide photocatalyst Solution	PURITY 99%+
VIPL0539	Graphene Oxide Dispersion	PURITY 99%+
VIPL0540	Chitosan Solution	PURITY 99%+



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