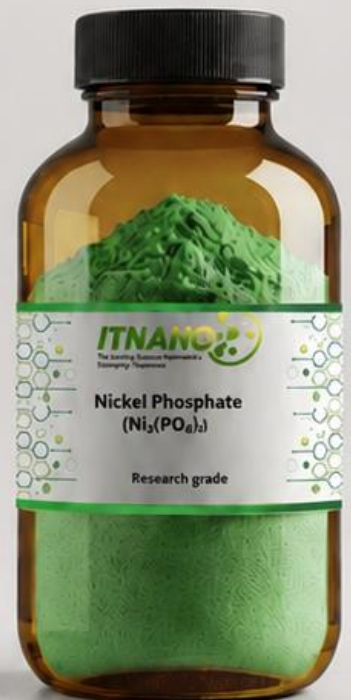


# 2026 Products Catalog



# ITNANO

The Leading Advanced Materials Company in Indonesia



**ITNANO** (CV. Inovasi Teknologi Nano) is a nationally registered brand (IDM000960929) providing high-performance, laboratory-grade functional materials for global research and industrial applications.

Backed by NRE Lab (est. 2020) Indonesia's first private nanomaterials research startup and the **Titian Research Group**, we bridge the gap between advanced material science and commercial scalability

- **Core Product Portfolio:** High-purity Graphene (and derivatives), 2D Materials (MXene and MoS<sub>2</sub>), Metal-Organic Frameworks (MOFs), advanced Metal Oxides ZnO, TiO<sub>2</sub>, MnO<sub>2</sub>, etc.), and conductive polymers.
- **Target Applications:** Next-generation battery technology, advanced composites, solar-driven interfacial evaporation (SDIE), seawater desalination, and supercapacitors.
- **Commercial Availability:** Designed to empower R&D departments and industries, our standardized materials are readily accessible online via **Tokopedia, TikTok Shop, and Shopee.**

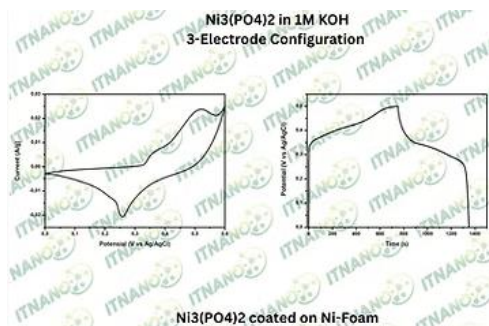
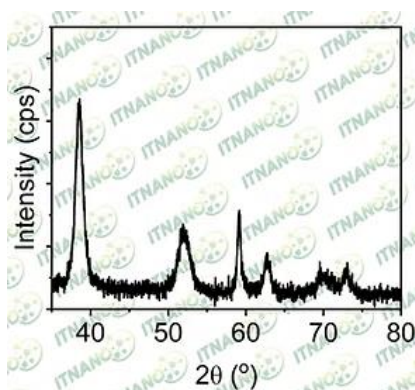
# NICKEL SERIES

# Ni<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>

## Nickel Phosphate

CAS No.	Description	Unit Sizes
10381-36-9	Nickel Phosphate (Ni <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> )	1 g, 2 g, 5 g and 10 g

### XRD Pattern



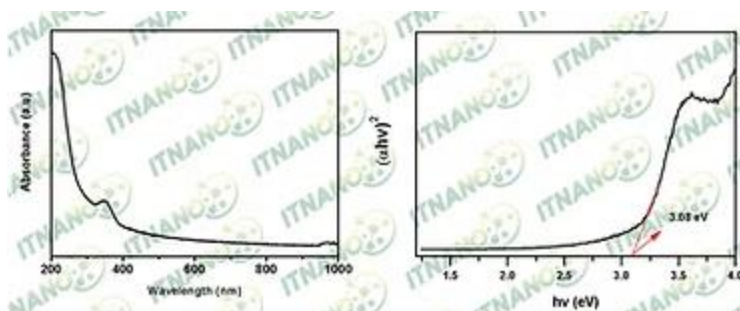
### Properties

Purity	99%
Chemical Formula	Ni <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub>
Molecular Weight	366.023 g/mol
Form	Powder
Color	Green
Grade	Research Grade
Net Weight	1 gram

### APPLICATIONS:

Supercapacitor And Battery Electrodes, Catalysts/Photocatalysts, Electrochemical Sensors, And Has Potential As A Pigment And Optoelectronic Material.

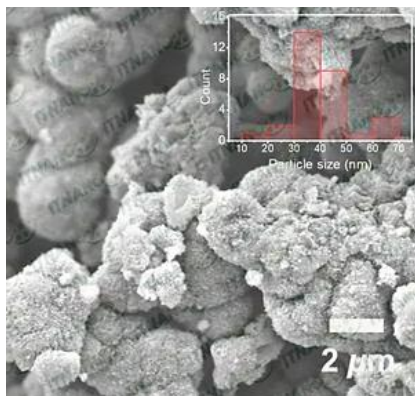
### UV-VIS Spectrum



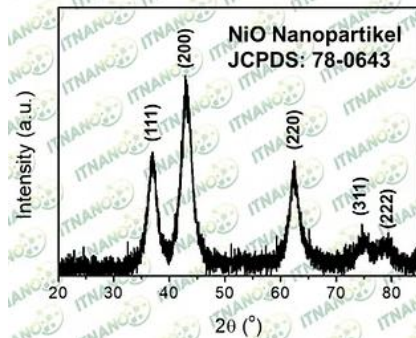
# NiO Nickel Oxide

CAS No.	Description	Unit Sizes
11099-02-8	Nickel Oxide Nanoparticles	1 g, 2 g, 5 g and 10 g

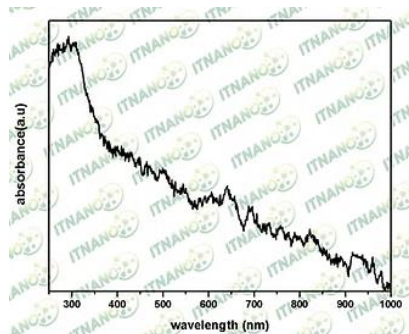
## SEM Image



## XRD Pattern



## UV-VIS Spectrum



Properties	
Purity	99 %
Grade	Research Grade
Form	Black Powder
Molecular Formula	NiO
Molecular weight	74.69 g/mol
SEM (Particle Size)	±11 nm
XRD (Crystallite Size)	4 nm

## APPLICATIONS:

Anode Material In Batteries And Supercapacitors, Solar Cells, Photocatalysis, Gas Sensors, Electrochromic, Drug Delivery, Bioimaging, Etc

