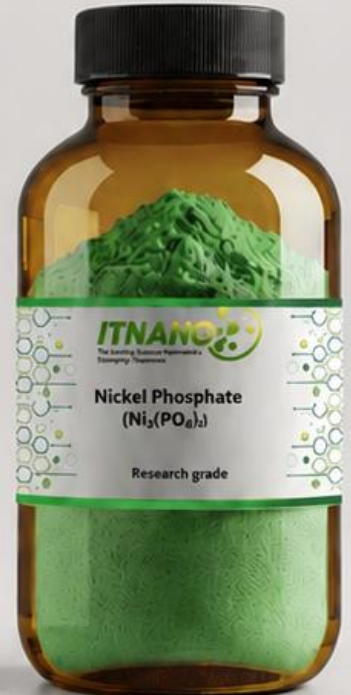


2026 Products Catalog



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

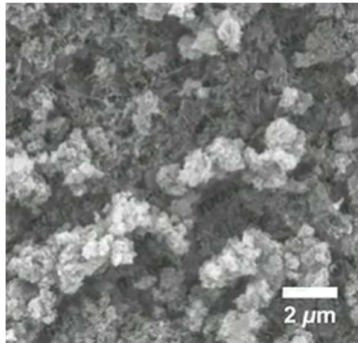
- **Core Product Portfolio:** High-purity Graphene (and derivatives), 2D Materials (MXene and MoS₂), Metal-Organic Frameworks (MOFs), advanced Metal Oxides ZnO, TiO₂, MnO₂, etc.), and conductive polymers.
- **Target Applications:** Next-generation battery technology, advanced composites, solar-driven 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.**

POLYMERS

PANI Polyaniline Powder

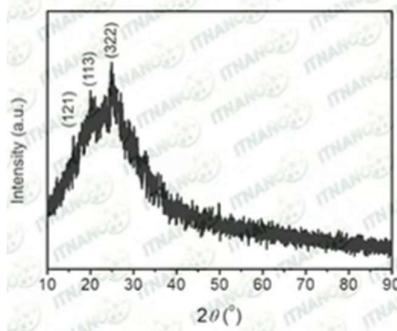
CAS No.	Description	Unit Sizes
25233-30-1	Polyaniline Powder	1 g, 2 g, 5 g, and 10 g

SEM Image



Properties	
Purity	99 %
Grade	Research Grade
Form	Blackish Green Powder
Molecular formula	C ₆ H ₇ N
Molecular weight	93.13 g/mol
XRD (Crystallite Size)	Emeraldine Salt
SEM (Particle Size)	60-820 nm

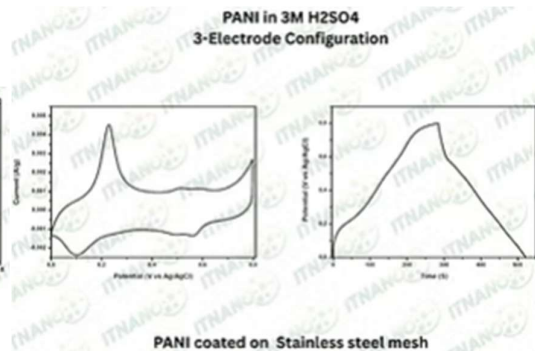
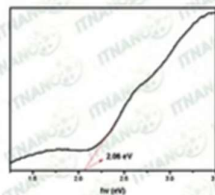
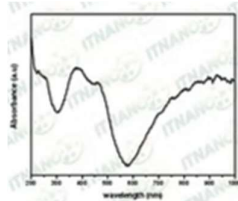
XRD Pattern



APPLICATIONS:

Raw Material for Batteries and Supercapacitors, Composites, Gas Separation Membranes, Sensors, Optoelectronic Devices, Anti-Corrosion Coatings, and more.

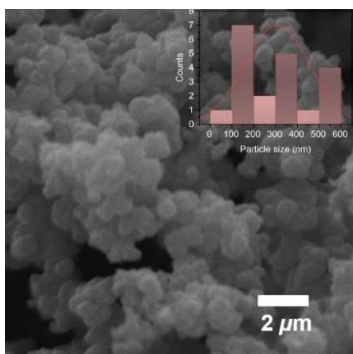
UV-VIS Spectrum



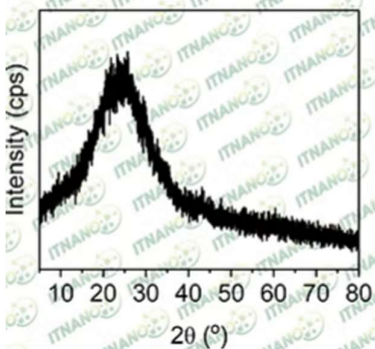
PPy Polypyrrole

CAS No.	Description	Unit Sizes
30604-81-0	Polypyrrole	1 g, 2 g, and 5 g

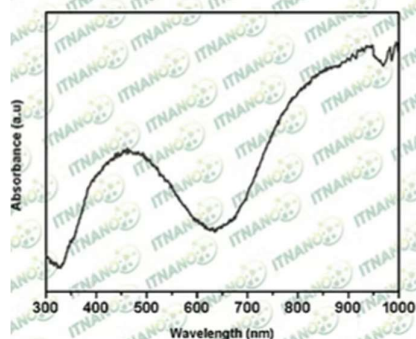
SEM Image



XRD Pattern



UV-VIS Spectrum



Properties	
Purity	99%
Grade	Research Grade
Form	Black
Molecular formula	PPy
Molecular weight	67,09 g/mol
SEM (Particle Size)	305 nm
UV-VIS spectrophotometer (peak)	446 nm
Electrochemical Capacitance	246.10 F/g @ 1 A/g

APPLICATIONS:

A raw material for batteries and supercapacitors, composites, sensors, anti-corrosion coatings, and other related applications.

GCD PPY

