

Silver nanowires

Contents

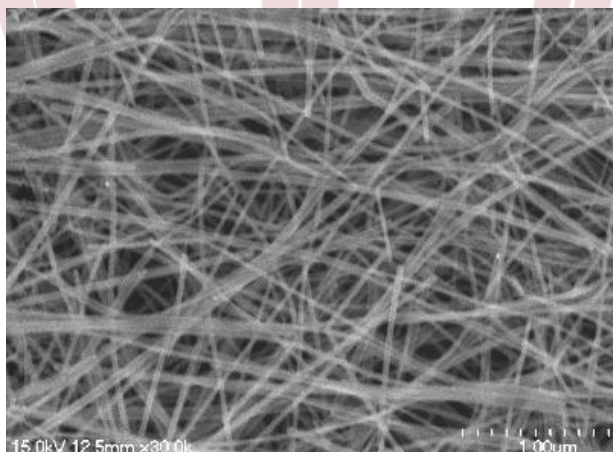
- ❖ Preparation Method
- ❖ Characterization
- ❖ Application Fields

Preparation Method

The silver NWs has been synthesized through the polyol method from silver nitrate.

Characterizations

Cat. No.	A153005	A153010	A153020	A153030	A153050
Concentration	5mg/ml	10mg/ml	20mg/ml	30mg/ml	50mg/ml
Solvent	EtOH, IPA	EtOH, IPA	EtOH, IPA	EtOH, IPA	EtOH, IPA
Length	10 μ m	10 μ m	10 μ m	10 μ m	10 μ m
Diameter	60nm	60nm	60nm	60nm	60nm
Production Description	Research grade	Research grade	Research grade	Research grade	Research grade
Color	Gray	Gray	Gray	Gray	Gray



Typical TEM image of AMINBIC Silver Nanowires.

AMINBIC Co. Ltd.

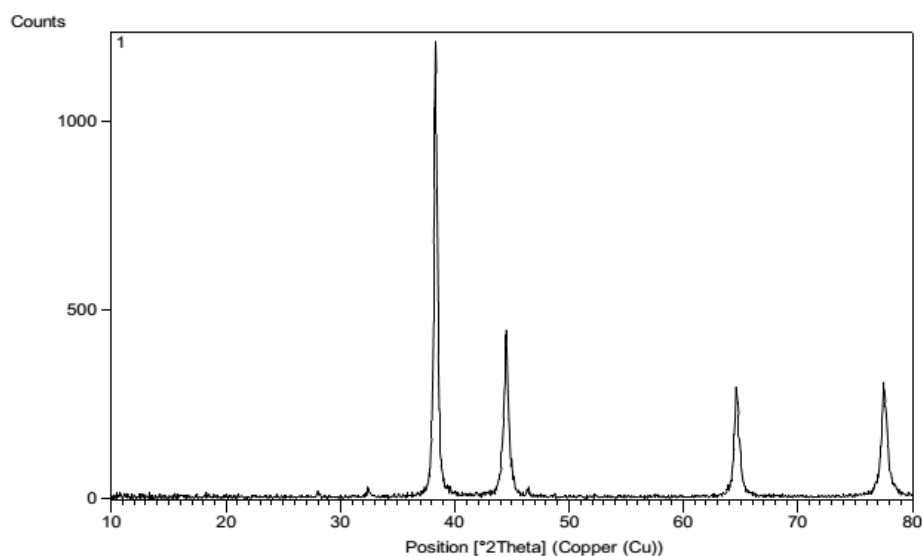
402, Third Floor, Institute of Electrochemistry, University of Tehran (Physical Education), North Campus, Tehran.

Technical Support: technical@aminbic.ir

Contact Mail: info@aminbic.ir

Web: www.aminbic.ir

Tel. +989365650563



Typical extinction spectrum of AMINBIC Silver Nanowires.

Applications

- Touch screens for smartphones, tablets, and wearable electronics
- Solar cells, solar panels, thin film photovoltaics
- Light-emitting diodes (LEDs), OLED devices, OLED lighting
- Liquid crystal displays
- Flexible displays
- e-paper
- Fillers for high performance conductive adhesives
- Surface enhanced spectroscopy (SERS)
- Sensors and detectors
- Air and water purification
- Medical imaging
- Antimicrobial applications (e.g., bandages, coatings for medical devices, antibacterial fabrics)
- Catalysts
- EMI shielding films and paints
- Optical limiters
- Flexible antennas
- Waveguides
- Compact logic gates

AMINBIC Co. Ltd.

402, Third Floor, Institute of Electrochemistry, University of Tehran (Physical Education), North Campus, Tehran.

Technical Support: technical@aminbic.ir

Contact Mail: info@aminbic.ir

Web: www.aminbic.ir

Tel. +989365650563

Disclaimer

AMINBIC, believes that the information in this Technical Data Sheet is accurate and represents the best and most current information available to us. AMINBIC makes no representations or warranties either express or implied, regarding the suitability of the material for any purpose or the accuracy of the information contained within this document. Accordingly, AMINBIC will not be responsible for damages resulting from use or reliance upon this information.

