ARMINANO

Tin Oxide Nanoparticles TOP1901

Description:

Tin Oxide (SnO₂) or stannic oxide is one of the most important semiconductor (Eg=3.6 eV) can be used as photocatalyst for degradation of organic compounds. Tin oxide nanoparticles have good transparent mirror which can be use as anti-reflection coatingns.

Characterization	
CAS	18282-10-5
Stock No.	TOP1901
Molecular formula	SnO ₂
Molecular weight (g/mol)	150.71
Form	Powder
Color	Gray
Morphology	Spherical
Size range (nm)	<100
Total impurity (%)	<1
Density (g/cm3)	6.95
Solubility	Insoluble



Image of Tin oxide nanopowder (TOP1901)

Note: product specifications are subject to amendment and may change over time.

Applications (but not limited to the following):

Solar cell, photocatalytic applications, anti static coatings, anti reflection coatings, humidity sensors, lithium ion batteries, thermocatalytic and semiconductor gas sensor, solar energy storage, manufacturing of gas sensors, preparation of electrocatalysts and photocatalysts.

Safety:

Avoid breathing dust.

Always use protective gloves and safety glasses.

Wash with soap and water after exposure.

Refer to MSDS prior to handling this material.



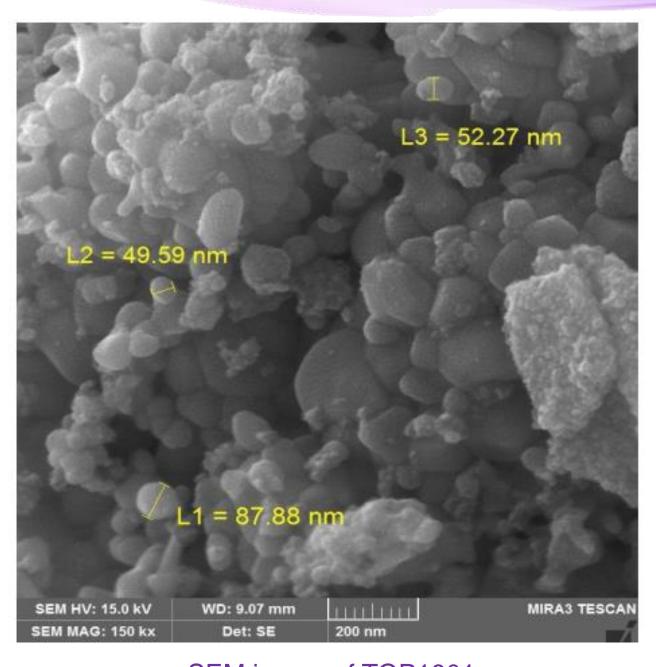
Address: Tehran-Damavand road, Pardis technology park

Postals Code: 16541 20708 Telefax: +98 21 7625 1689

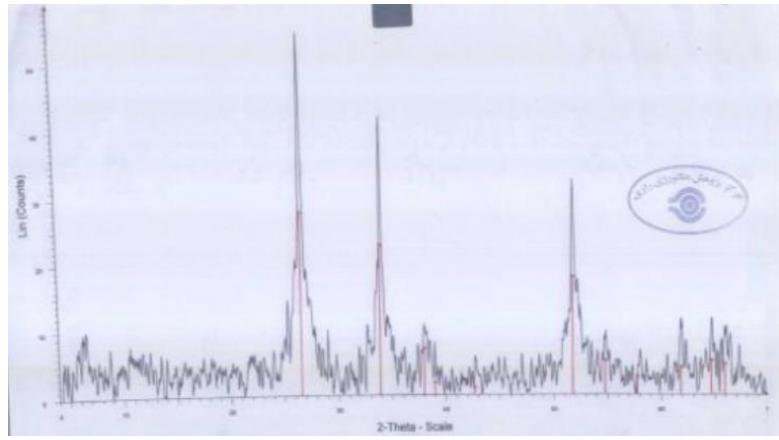


ARMINANO

Tin Oxide Nanoparticles TOP1901



SEM image of TOP1901



XRD pattern of TOP1901

Storage:

Keep it in cool dry place. Avoid direct sunlight. Do not freeze.

To disperse powder use sonication.

Shelf life:

When stored as specified the product is stable for at least 12 months.

www.armina-eng.com Sales@armina-eng.com



Address: Tehran-Damavand road, Pardis technology park

Postals Code: 16541 20708 Telefax: +98 21 7625 1689

