

Technical Data Sheet Polyaniline (emeraldine salt)

Properties

Form : Powder form	Biocompatible
Purity: %100	Biodegradable
Highly conductive	Inert under ambient conditions
Molecular weight: 110.000 Da	
Conductivity: 0,0053 S/cm (measured by four probe technique)	

Product Description

Polyaniline (PANI) is a highly conductive, piezoresistive, biocompatible and biodegradable powder form polymer. PANI is synthesized through oxidative polymerization from aniline monomers under wet chemistry. It can be synthesized from laboratory batch scale to large scale while maintaining its intrinsic superior properties. Under our infrastructure, it's also possible to synthesize PANI with a variety of acid dopants (HNO_3 , HCl , H_3PO_4 , H_2SO_4) with moderately high conductivities which are tunable by type of acid dopants.

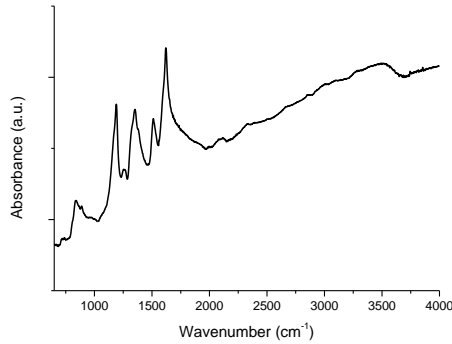
Application areas: Supercapacitor electrodes, piezoresistive materials, tissue engineering

Shipping: Ready to ship in 4 business days.

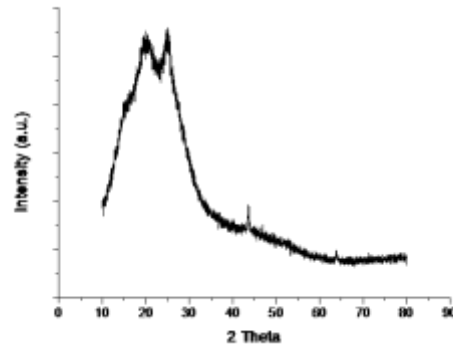
Storage conditions: Room temperature

Packaging : 5 gr, 25 gr, 100 gr

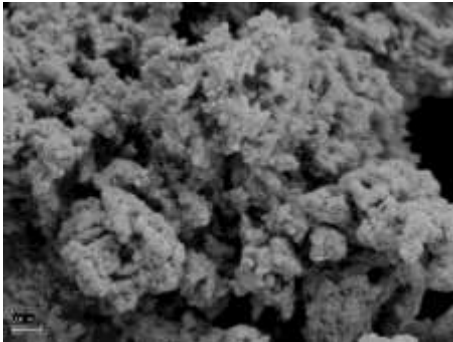
Quality Control



FTIR spectrum of PANI



XRD spectrum of PANI



SEM image of PANI

