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Chitosan Nanoparticles
CS91

Description:

Chitosan is a non-toxic biodegradable polycationic polymer with low immunogenicity. Chitosan has been widely used in pharmaceutical and medical areas, due to its favorable biological properties such as biodegradability, biocompatibility, low toxicity, hemostatic, bacteriostatic, fungistatic, anticancerogen, and anticholesteremic properties.

Characterization	
CAS	9012-76-4
Stock No.	CS913
Molecular formula	C6H11NO4
Molecular weight (g/mol)	161
Form	Suspension
Solvent	Water
Color	White
Concentaration (mg/mL)	3
PH	7
Morphology	Spherical
Size range (nm)	25-50
Total impurity (%)	N/A
Deacetylation	86%
Solubility	Dilute aqueous acid

Image of suspension of chitosan nanoparticles (CS913)

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

Applications (but not limited to the following):

Antibacterial agents, gene delivery vectors and carriers for protein release and drugs, a potential adjuvant for vaccines, prevent infection in wounds and quicken the wound-healing process by enhancing the growth of skin cells, for preservative purposes in foods packaging, antimicrobial textiles, anti-ageing skincare products

Safety:

Always use protective gloves and safety glasses.
Wash with soap and water after exposure.
Refer to MSDS prior to handling this material.

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حرکت بسوی آینده پایدار
A mission for sustainable future

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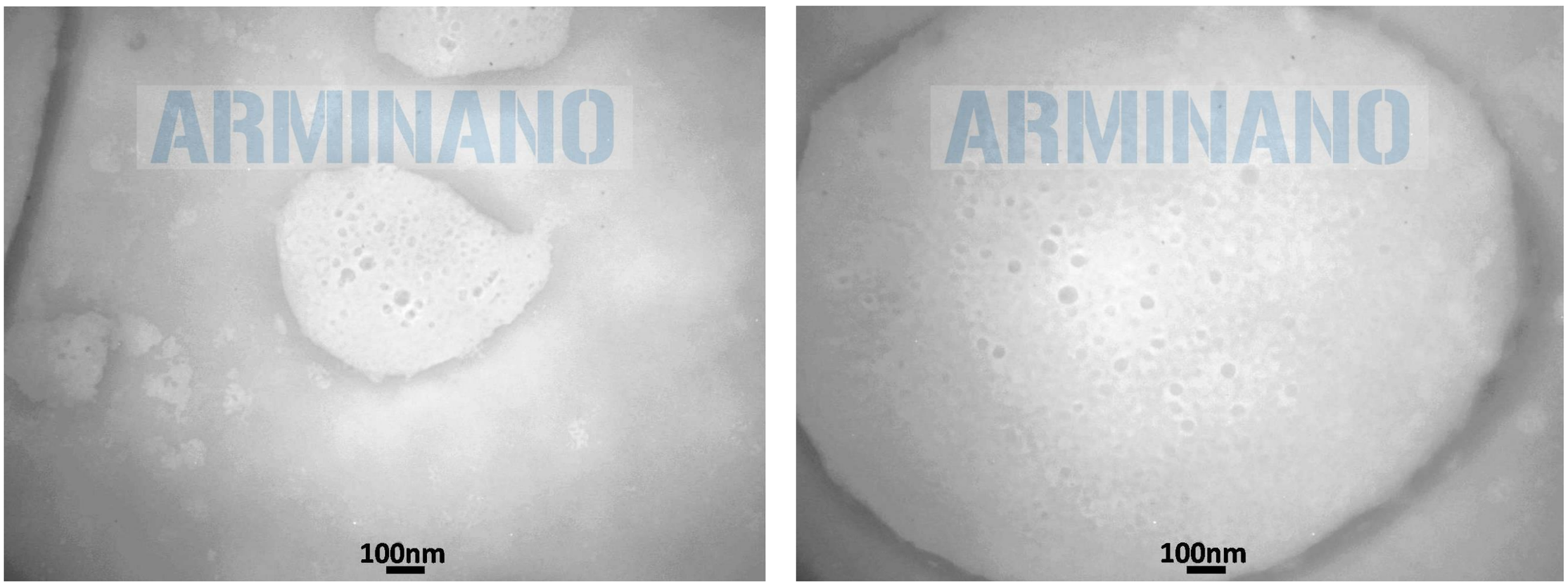

TEM images of CS913

Storage:

Keep it in cool dry place.
Avoid direct sunlight.
Do not freeze.
Some settling of particles may occur and colloid should be mixed prior to use.

Shelf life:

When stored as specified the product is stable for at least 2 months.

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