



Borhan Nano Scale Innovators Knowledge-Based Co.

Silver (Ag) Nanocolloid

Introduction

Nanosilver is used as an antibacterial material. Colloidal silver is described as water dispersion (colloid) of silver nanoparticles.

Specifications

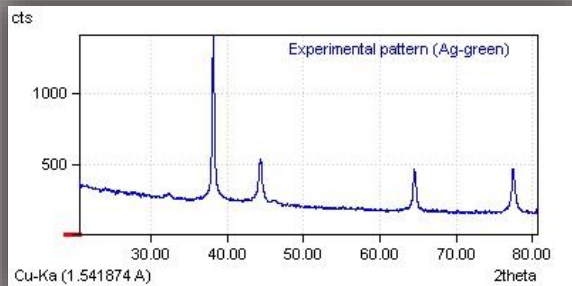
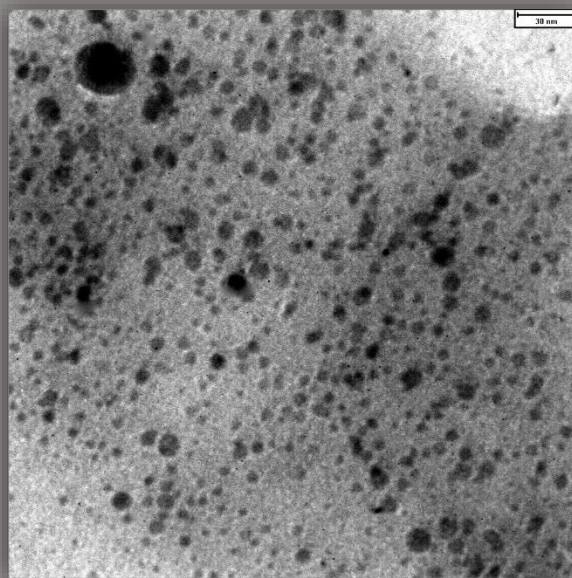
Molecular formula	Ag
Molecular weight	107.8682
Morphology	Spherical
Concentration (g/l)	0.2-20
Color	Greenish gray
Size (nm)	Less than 20
Form	Colloidal
CAS No.	7440-22-4

Applications

- Surface disinfectant
- Cosmetics (toothpastes and skin care products)
- Clinical

Advantages

- More stable in comparison to alcoholic disinfectants
- Long lasting effect
- Non-irritating and non-allergenic for skin and respiratory system
- Strong antibacterial effect
- No causing of antimicrobial resistance
- Produced by green synthesis method
- No chemical additives
- Odourless



Sample	Strains	
	E.Coli (ATCC® 25922™)	
	MIC	MBC
Ag	125 µg/ml	500 µg/ml

Nano Scale



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