



# 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; it is a clear liquid with no odour.

### Specifications

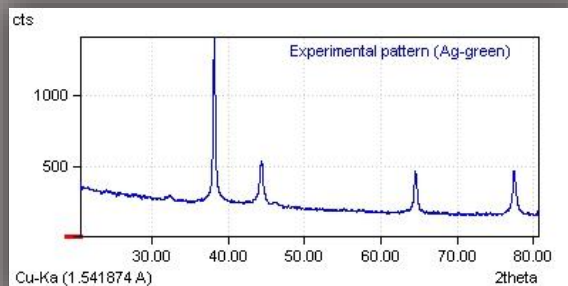
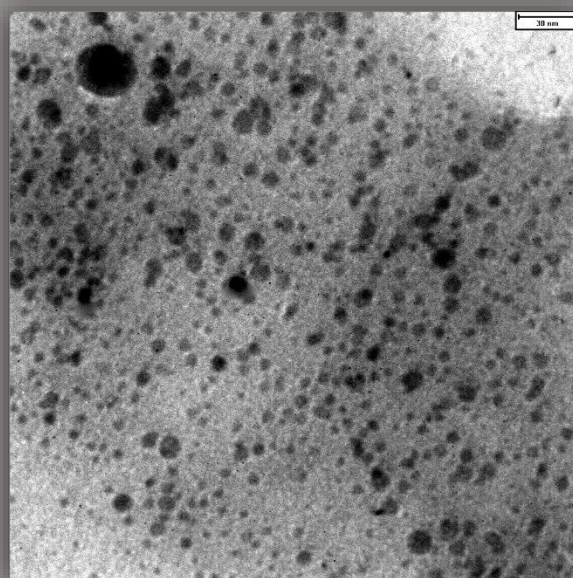
Molecular formula	Ag
Molecular weight	107.8682
Morphology	Spherical
Concentration (g/l)	0.2
Color	Colorless
Size (nm)	Less than 20
Form	Colloidal
CAS No.	7440-22-4

### 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

