



# H. K. GROUP

ALWAYS WITH YOU...ALWAYS CARING FOR YOU



## SILVER NITRATE

Silver Nitrate (nitrate) chemical compound is  $AgNO_3$ . It's a colorless crystalline product that is very soluble in water. It is used in the preparation of Silver Salts for Photography, in Chemical Analysis, for Silver Plating, in Inks and Hair Dyes and to Silver Mirrors. It is used in Medicine, it is used in treatment of Eye Infections and Gonorrhoea. Fused Silver Nitrate is also called Lunar Caustic. Taken internally Silver Nitrate is a poison. It is prepared by reaction of Nitric Acid with Silver, and purified by recrystallization. It is darkened by sunlight or contact with organic matter such as the skin.

### AVAILABLE GRADES AR/LR/GR/CP/COMM



**SILVER NITRATE (AR)**  
Molecular formula :  $AgNO_3$   
Molecular Mass : 169.87  
Description : Colourless Crystals Darkening On Exposure To Light.  
Assay : 99.9%  
pH (4% solution) : 5.4 To 6.4  
Maximum Limits Of Impurities  
Water Insoluble Matter : 0.003%  
Chloride (Cl) : 0.0005%  
Sulphate(SO4) : 0.0025%  
Cadmium (Cd) : 0.0001%  
Calcium (Ca) : 0.001%  
Copper (Cu) : 0.0002%  
Iron (Fe) : 0.0002%  
Lead (Pb) : 0.0002%  
Magnesium (Mg) : 0.001%  
Nickel : 0.0001%  
Potassium (K) : 0.01%  
Sodium (Na) : 0.002%  
Zinc (Zn) : 0.0005%

**SILVER NITRATE - LR GRADE**  
Molecular formula :  $AgNO_3$   
Molecular Mass : 169.87  
Description : colourless crystal /crystalline powder, darkening on exposure to light  
Solution : 10% solution in water is clear and colourless  
Silver content : 63.5% Min  
Assay : 99.8% Max  
Chloride : 0.001% Min  
Sulphate : 0.02% Min  
pH : 5.4 - 6.4



**SILVER NITRATE (GR)**  
Molecular formula :  $AgNO_3$   
Molecular Mass : 169.87  
Min Assay(Ex-Ag) : 99.8%  
pH (4% solution) : 5.4 To 6.4  
Maximum Limits Of Impurities :  
Chloride (Cl) : 0.001%  
Sulphate(SO4) : 0.02%  
Iron(Fe) : 0.002%  
Heavy Metals : 0.0002%



### END USES

Silver Nitrate is used in the manufacturing of Specialties Chemicals and Devices. It is also used in Photography, manufacturing of Mirrors, manufacturing of other Silver Salts, Silver Plating, in Sympathetic and Indelible Inks, Dyeing Hair, Coloring Porcelain, Etching Ivory and as a Reagent in Analytical Chemistry.

### LIST OF PRODUCTS

- | SILVER NITRATE       |                            |
|----------------------|----------------------------|
| • SILVER BROMIDE     | • SILVER IODIDE            |
| • SILVER CHORIDE     | • SILVER OXIDE             |
| • SILVER CYANIDE     | • SILVER POTASSIUM CYANIDE |
| • SILVER FLUORIDE    | • SILVER SALTS             |
| • SILVER FORMATE     | • GOLD CHLORIDE            |
| • PALLADIUM CHLORIDE | • PALLADIUM ON CHARCOAL    |



### PACKING

5 Kgs, 10Kgs: GOOD QUALITY PLASTIC BOTTLE.  
25 KGS - NEW FIBER DRUM.  
CUSTOMISED PACKING IS ALSO AVAILABLE ON EXTRA COST.



FOR OTHER PRODUCTS KINDLY REFER OUR WEBSITE

CORPORATE OFFICE:  
MUMBAI, MAHARASHTRA, INDIA  
CONTACT - +91 9136273928 / 9136273907  
EMAIL-sales@hkggroup.net, info@hkggroup.net  
website :www.hkggroup.net

