

## TECHNICAL DATA SHEET

Polygel Product Management

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# Silver Nitrate

**Molecular Formula** AgNO<sub>3</sub>  
**Molecular Weight** 169.87 g/mol  
**CAS No.** 7761-88-8

### Typical Properties: Product Specifications

Sr. No.	Specification / Test	Unit	Standard Value
1	Appearance	-	Clear and colourless crystalline solid
2	Assay	%	99 min.
3	Chloride (Cl)	ppm	5 max.
4	Sulfates (SO <sub>4</sub> )	%	0.002 max.
5	Copper (Cu)	ppm	2 max.
6	Iron (Fe)	ppm	2 max.
7	Lead (Pb)	%	0.001 max.
8	Density	g/cm <sup>3</sup>	4.35
9	Bulk density	kg/m <sup>3</sup>	2350
10	Solubility	-	Soluble in water (20°C)
11	Melting point	°C	212
12	Boiling point	°C	444 (decomposes)
13	pH (100 g/L H <sub>2</sub> O)	-	5.4 – 6.4

### Applications:

Used by several industries like fine chemicals, lab reagents, ink industries, mirror industries, lab chemicals, photo films manufacturer & pharmaceuticals.

Note: Information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy itself of the suitability for its own particular purpose. Accordingly, Polygel Organometallic (Brunei) Sdn. Bhd gives no warranty as to the fitness of the product of any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded to the extent that such exclusion is prevented by law.

TDS AgNO<sub>3</sub> 0821

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