

Specification

IUPAC Name:	Silver(I)-nitrate
Heraeus Material / Type:	Silver(I)-nitrate HSTDP
Description /Formula:	AgNO ₃ , Chemical pure grade

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Parameter	Unit	Specification	Test Method
<u>Precious metal</u>			
Silver content *	%	63.4 – 63.8	Potentiometry
Silver Purity *	%	≥ 99.9	ICP-OES
<u>Chemical and physical properties</u>			
Cl (Chloride) *	ppm	≤ 5	Photometry
NO ₂ ⁻ (Nitrite) *	ppm	≤ 50	Photometry
SO ₄ ²⁻ (Sulphate) *	ppm	≤ 50	ICP #
Water Insolubles *	ppm	≤ 20	Photometry
<u>Impurities</u> relating to sample* :			ICP-OES
Cu (Copper) *	ppm	≤ 5	
Fe (Iron) *	ppm	≤ 5	
Pb (Lead) *	ppm	≤ 5	

Value Determination

All values determined in accordance with 08170/xx.

Information:

Sulphate content calculated from ICP Sulphur content

Other relevant document(s):.

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Inspection Certificate

Heraeus Precious Metals will issue an Inspection Certificate according to EN 10204-3.1 for each delivered batch. Parameters which are marked with [*] will be given in the Inspection Certificate.

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