

Specification

IUPAC Name:	Silver(I) sulfate
Heraeus Material / Type:	Ag(I) Sulfate HSTDP
Description / Formula:	Ag ₂ SO ₄

Heraeus Precious Metals GmbH & Co. KG · Heraeusstrasse 12-14 · 63450 Hanau, Germany
Contact Mail: CS-CP-HPMG@heraeus.com · Phone.: +49(0)6181/35-4854

Parameter	Unit	Specification	Test Method
<u>Precious metal</u>			
Silver content*	%	68.9 - 69.4	
Precious metal purity*	%	≥ 99.95	
<u>Chemical and physical properties</u> related to sample			
Ag ₂ SO ₄ (not precipitating by HCl)	%	0.03	
Water insoluble AgCl	%	0.02	
<u>Impurities</u> relating to precious metal			
Cd (Cadmium)*	ppm	≤ 20	
Cl (Chloride)*	ppm	≤ 10	
Cu (Copper)*	ppm	≤ 5	
Fe (Iron)*	ppm	≤ 10	
NO ₃ (Nitrate)*	ppm	≤ 10	
Ni (Nickel)*	ppm	≤ 10	
Pb (Lead)*	ppm	≤ 10	
Zn (Zinc)*	ppm	≤ 5	
Total impurities (above)*	ppm	≤ 500	
Na (Sodium)*	ppm	≤ 200	

Value determination

All values determined in accordance with 08170/xx

Information:

Appearance: powder

Color: greyish white

Other relevant document(s):

xx = current revision

Inspection Certificate (IC)

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

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