

Specification

IUPAC Name: Hydrogen tetrachloroaurate(III) hydrate

Heraeus Material / Type: Tetrachloroaurate(III) hyd. HSDTP

Description / Formula: $\text{H}[\text{AuCl}_4] \cdot n \text{H}_2\text{O}$

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Parameter	Unit	Specification	Test Method
<u>Precious metal</u>			
Gold content*	%	49.9 – 50.1	calculated
Gold content bulk material	&		000101/xx Au-content gravimetric
Precious metal purity*	%	≥ 99.9	00195/xx ICP-OES
<u>Impurities</u> relating to precious metal			00195/xx ICP-OES
Total metallic impurities as below*	ppm	≤ 100	
Ir (Iridium)	ppm		
Pd (Palladium)	ppm		
Pt (Platinum)	ppm		
Rh (Rhodium)	ppm		
Ru (Ruthenium)	ppm		
Ag (Silver)	ppm		
Al (Aluminium)	ppm		
Cd (Cadmium)	ppm		
Cr (Chromium)	ppm		
Cu (Copper)	ppm		
Fe (Iron)	ppm		
Hg (Mercury)	ppm		
Mn (Manganese)	ppm		

Ni (Nickel)	ppm
Pb (Lead)	ppm
Sn (Tin)	ppm
Ti (Titanium)	ppm
Zn (Zinc)	ppm
Zr (Zirconium)	ppm

Value determination

All values determined in accordance with 08170/xx

Information:

Color: orange-yellow

Smell: strong HCl smell

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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