

Specification

IUPAC Name:	Iridium(IV) Chloride Hydrate
Heraeus Material / Type:	Ir(IV) Chloride Hydrate HSTDP
Description / Formula:	$\text{IrCl}_4 \cdot n \text{H}_2\text{O}$

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Parameter	Unit	Specification	Test Method
<u>Precious metal</u>			
Iridium content*	%	50 - 55	00083/xx Ir-content gravimetric
<u>Chemical and physical properties</u> related to sample			
SO ₄ (Sulfate) content	ppm	≤ 120	
NO ₃ (Nitrate) content	ppm	≤ 500	
<u>Impurities</u> relating to precious metal			00195/xx ICP-OES
Au (Gold)*	ppm	≤ 100	
Ag (Silver)*	ppm	≤ 100	
Pd (Palladium)*	ppm	≤ 100	
Pt (Platinum)*	ppm	≤ 500	
Rh (Rhodium)*	ppm	≤ 500	
Ru (Ruthenium)*	ppm	≤ 500	
Al (Aluminium)*	ppm	≤ 100	
As (Arsenic)*	ppm	≤ 100	
Ba (Barium)*	ppm	≤ 100	
Ca (Calcium)*	ppm	≤ 100	
Cu (Copper)*	ppm	≤ 100	
Fe (Iron)*	ppm	≤ 100	

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K (Potassium)*	ppm	≤ 500	00086/xx AAS
Mg (Magnesium)*	ppm	≤ 100	
Mo (Molybdenum)*	ppm	≤ 100	
Na (Sodium) *	ppm	≤ 500	00086/xx AAS
Ni (Nickel)*	ppm	≤ 100	
Os (Osmium)*	ppm	≤ 50	
Pb (Lead)*	ppm	≤ 100	
Si (Silicon)*	ppm	≤ 100	

Value determination

All values determined in accordance with 08170/xx

Information:

Color: black

Sulfate and Nitrate are not analyzed since no Sulfate or Nitrate containing compounds are used in the process.

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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