

Specification

IUPAC Name:	Iridium(III)chloride Hydrate
Heraeus Material / Type:	Ir(III) Chloride Hydrate *nH ₂ O HSTDP
Description / Formula:	IrCl ₃ · n H ₂ O

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>			
Iridium content*	%	52 - 56	00083/xx Ir-content gravimetric
Precious metal purity*	%	≥ 99.9	00195/xx ICP-OES
<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	
K (Potassium) *	ppm	≤ 500	00086/xx AAS
Mg (Magnesium)*	ppm	≤ 100	
Mo (Molybdenum)*	ppm	≤ 100	

Printouts are only subject to the revision service in the form of controlled copies. Otherwise they become invalid!

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

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.

This document has been generated automatically and is valid without signature.

This specification and all information contained therein represent confidential information of Heraeus Precious Metals GmbH & Co.KG which must be kept strictly confidential by the recipient and may not be passed on to third parties. The properties stated above have been obtained under controlled test methods. Under other test conditions or productive use, the measured results may vary, in particular depending on the specific ambient conditions. In particular, the results from Heraeus Precious Metals GmbH & Co.KG inspection certificate do not release the customer from verifying itself and on its own responsibility whether the end product specified by Heraeus Precious Metals GmbH & Co.KG is suited for the intended purpose of use of the customer.