

Specification

IUPAC Name: Ruthenium(III) Chloride Hydrate

Heraeus Material / Type: Ru(III) Chloride Hyd. HSTDP

Description / Formula: RuCl₃ · n H₂O

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Parameter	Unit	Specification	Test Method
<u>Precious metal</u>			
Ruthenium content*	%	39 - 42	00083/xx Ru-content gravimetric
Precious metal purity*	%	≥ 99.95	00195/xx ICP-OES
<u>Chemical and physical properties</u> related to sample			
Water insoluble matter*	%	≤ 0.3	00088/xx PM-Compound insoluble
<u>Impurities</u> relating to precious metal			
Sum of Pd+ Pt+ Ir+ Rh*	ppm	≤ 200	00195/xx ICP-OES
Sum of Ca+ Al+ Si+ Mg*	ppm	≤ 200	
Cu (Copper)*	ppm	≤ 20	
Fe (Iron)*	ppm	≤ 100	
K (Potassium)*	ppm	≤ 100	0086/xx AAS
Na (Sodium)*	ppm	≤ 100	0086/xx AAS
Os (Osmium)*	ppm	≤ 100	

Value determination

All values determined in accordance with 08170/xx

Information:

Color: dark brown, 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.

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