

## Specification

<b>IUPAC Name:</b>	DIHYDROGEN HEXACHLOROPLATINATE(IV) SOLUTION
<b>Heraeus Material / Type:</b>	CPA sol. L
<b>Description /Formula:</b>	H <sub>2</sub> [PtCl <sub>6</sub> ]

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Parameter	Unit	Specification	Test Method
<b><u>Precious metal</u></b>			
Platinum content *	%	30.0 – 35.0	00080/xx Pt-content gravimetric
<b><u>Chemical and physical properties</u></b>			
Free acid (HCl) content *	%	≤ 1.0	00085/xx Acid- base- titration
Sulfate (SO <sub>4</sub> ) content	ppm	≤ 120	
Nitrate (NO <sub>3</sub> ) content	ppm	≤ 2000	
Insoluble in water content	ppm	≤ 25	
<b><u>Impurities</u> relating to Pt * :</b>			00195/xx/yy ICP-OES
Au (Gold) *	ppm	≤ 25	
Ag (Silver) *	ppm	≤ 25	
Ir (Iridium) *	ppm	≤ 200	
Pd (Palladium) *	ppm	≤ 25	
Rh (Rhodium) *	ppm	≤ 200	
Ru (Ruthenium) *	ppm	≤ 50	
As (Arsenic) *	ppm	≤ 25	
Ba (Barium) *	ppm	≤ 50	
Ca (Calcium) *	ppm	≤ 250	

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Chemical Products

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**Heraeus**

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Cu (Copper) *	ppm	≤ 25	
Fe (Iron) *	ppm	≤ 50	
Hg (Mercury) *	ppm	≤ 10	
K (Potassium) *	ppm	≤ 250	00086/xx AAS
Mg (Magnesium) *	ppm	≤ 250	
Na (Sodium) *	ppm	≤ 250	00086/xx AAS
Ni (Nickel) *	ppm	≤ 25	
Os (Osmium) *	ppm	≤ 50	
Pb (Lead) *	ppm	≤ 25	
Si (Silicon) *	ppm	≤ 100	
V (Vanadium) *	ppm	≤ 25	

**Value Determination**

All values determined in accordance with AA-3.3-010/xx.

**Information:**

Appearance: solution

Color: orange

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

**Other relevant document(s):****Inspection Certificate**

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

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