

Specification

IUPAC Name:	DIHYDROGEN HEXACHLOROPLATINATE(IV) HYDRATE
Heraeus Material / Type:	CPA H
Description /Formula:	$H_2[PtCl_6] \cdot n H_2O$

Heraeus Deutschland GmbH & Co.KG · Heraeus Precious Metals · Heraeusstrasse 12-14 · 63450 Hanau, Germany
 Contact Mail: precious.metals@heraeus.com · Phone.: +49(0)6181/35-4854

Parameter	Unit	Specification	Test Method
<u>Precious metal</u>			
Platinum content CPA Solution	%		00080/xx Pt-content gravimetric
Platinum content *	%	39.9 – 40.1	Weighing
Platinum purity *	%	≥ 99.9	00195/xx/yy ICP-OES
<u>Impurities</u> relating to Pt * :			00195/xx/yy ICP-OES
Ag (Silver) *	ppm	≤ 25	
Au (Gold) *	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	
Cu (Copper) *	ppm	≤ 25	
Fe (Iron) *	ppm	≤ 50	
Hg (Mercury) *	ppm	≤ 10	

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Chemical Products

Doc. Nr. SPEC-01-020_00

Heraeus

Version: 01

Status: Approved

Valid from: 24.07.2019

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:

Color: orange

Other relevant document(s):

This specification replaces S-89730005 Version 04 dtd. 2013/08/27.

This specification replaces 00342541-89730005 Version 01 dtd. 2015/08/24.

This specification replaces 00315382-89730005 Version 01 dtd. 2010/03/04.

This specification replaces 00309566-89730005 Version 01 dtd. 2003/07/03.

This specification replaces 00309565-89730005 Version 02 dtd. 2004/01/20.

This specification replaces 00305130-89730005 Version 02 dtd. 2014/04/25.

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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