

Specification

IUPAC Name:	Dihydrogen tetrachloropalladate(II); solution
Heraeus Material / Type:	Pd(II)chloride sol. T20A LSTDP
Description /Formula:	H ₂ [PdCl ₄]

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Parameter	Unit	Specification	Test Method
<u>Precious metal</u>			
Palladium content *	%	19.95 - 20.05	Calculated and adjusted
Palladium content in bulk material	%		00079/xx Pd-content gravimetric
<u>Chemical and physical properties</u>			
Free acidity as HCl *	%	12.0 – 12.5	Calculated and adjusted
Free acidity as HCl in bulk material	%		00085/xx Acid- base- titration
Cl (Chlorid) *	%	informative	calculated
Cl (Chlorid) in bulk material	%		00084/xx Potentiometric Titration
Cl/Pd Mol Ratio *	[mol/mol]	informative	calculated
<u>Impurities</u> relating to Pd * :			00195/xx ICP-OES
Total Pt (Patinum) + Ru (Ruthenium + Rh (Rhodium) + Ir (Iridium) *	ppm	≤ 300	
Pt (Platinum)*	ppm	informative	
Ru (Ruthenium)*	ppm	informative	
Rh (Rhodium)*	ppm	informative	
Ir (Iridium) *	ppm	informative	

Au (Gold) *	ppm	≤ 100
Ag (Silver) *	ppm	≤ 100
Al (Aluminium) *	ppm	≤ 50
Ca (Calcium) *	ppm	≤ 50
Co (Cobalt) *	ppm	≤ 10
Cr (Chromium) *	ppm	≤ 10
Cu (Copper) *	ppm	≤ 50
Fe (Iron) *	ppm	≤ 50
Mg (Magnesium) *	ppm	≤ 50
Mn (Manganese) *	ppm	≤ 10
Ni (Nickel) *	ppm	≤ 50
Pb (Lead) *	ppm	≤ 50
Sb (Antimony) *	ppm	≤ 20
Si (Silicon) *	ppm	≤ 50
Sn (Tin) *	ppm	≤ 50
Zn (Zinc) *	ppm	≤ 25

Value Determination

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

Information:

Color: brown

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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