

Specification

IUPAC Name: Dihydrogen Tetrachloropalladate(II) Solution

Heraeus Material / Type: Pd(II)chloride sol. T250 LSTDP

Description / Formula: H₂[PdCl₄]

Heraeus Precious Metals GmbH & Co. KG · Heraeusstrasse 12-14 · 63450 Hanau, Germany

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Parameter	Unit	Specification	Test Method
<u>Precious metal</u>			
Palladium content*	g/L	245 – 255	calculated and adjusted
Palladium content in bulk material	%		00079/xx Pd-content gravimetric
Precious metal purity*	%	≥ 99.95	00195/xx ICP-OES
<u>Impurities</u> relating to precious metal			00195/xx ICP-OES
Sum of Pt (Platinum) + Ru (Ruthenium) + Rh (Rhodium) + Ir (Iridium)*	ppm	≤ 300	
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	

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Sb (Antimony)*	ppm	≤ 20
Si (Silicon)*	ppm	≤ 50
Sn (Tin)*	ppm	≤ 50
Zn (Zinc)*	ppm	≤ 25

Value determination

All values determined in accordance with 08170/xx

Information:

Color: brown

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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