

## Specification

**IUPAC Name:** Tetrakis(triphenylphosphine) palladium(0)

**Heraeus Material / Type:** Tetrakis(Triphenylphosphane)Pd(0) H

**Description / Formula:** [Pd(PPh<sub>3</sub>)<sub>4</sub>]

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Parameter	Unit	Specification	Test Method
<u>Precious metal</u>			
Palladium content*	%	9.00 - 9.70	00079/xx Pd-content gravimetric
Precious metal purity*	%	≥ 99.9	00195/xx ICP-OES
<u>Impurities</u> relating to precious metal			00195/xx ICP-OES
Pt (Platinum) + Ru (Ruthenium) + Rh (Rhodium) + Ir (Iridium)*	ppm	≤ 300	
Ir (Iridium)*	ppm		
Pt (Platinum)*	ppm		
Rh (Rhodium)*	ppm		
Ru (Ruthenium)*	ppm		
Ag (Silver)*	ppm	≤ 100	
Au (Gold)*	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	

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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 08170/xx

**Information:**

Color: yellow - green to light 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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