

Specification

IUPAC Name: Palladium(II) Nitrate Hydrate

Heraeus Material / Type: Pd(II) Nitrate HSTD

Description / Formula: $\text{Pd}(\text{NO}_3)_2 \cdot n \text{H}_2\text{O}$

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Parameter	Unit	Specification	Test Method
<u>Precious metal</u>			
Palladium content*	%	38 - 42	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	
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	
Mn (Manganese)*	ppm	≤ 10	
Ni (Nickel)*	ppm	≤ 50	
Pb (Lead)*	ppm	≤ 50	
Sb (Antimony)*	ppm	≤ 20	

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

Value determination

All values determined in accordance with 08170/xx

Information:

Color: yellowish brown

Appearance: solid

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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