

Specification

IUPAC Name: Platinum(II)nitrate; Solution Typ K

Heraeus Material / Type: Pt(II) Nitrate sol. TK L

Description / Formula: $\text{Pt}(\text{NO}_3)_2$

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Parameter	Unit	Specification	Test Method
<u>Precious metal</u>			
Platinum content*	%	13.00 - 16.00	00079/xx Pt-content gravimetric
<u>Chemical and physical properties</u> related to sample			
Cl ⁻ (Chloride) content*	%	≤ 5	06442/xx Titration
<u>Impurities</u> relating to precious metal			00195/xx ICP-OES
Ir (Iridium)*	ppm	≤ 50	
Pd (Palladium)*	ppm	≤ 50	
Rh (Rhodium)*	ppm	≤ 50	
Ru (Ruthenium)*	ppm	≤ 20	
Ag (Silver)*	ppm	≤ 40	
Au (Gold)*	ppm	≤ 50	
Bi (Bismuth)*	ppm	≤ 40	
Ca (Calcium)*	ppm	≤ 40	
Cu (Copper)*	ppm	≤ 50	
Cr (Chromium)*	ppm	≤ 10	
Fe (Iron)*	ppm	≤ 150	
Mg (Magnesium)*	ppm	≤ 40	
Mn (Manganese)*	ppm	≤ 10	

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Mo (Molybdenum)*	ppm	≤ 40
Ni (Nickel)*	ppm	≤ 50
Pb (Lead)*	ppm	≤ 10
Sb (Antimony)*	ppm	≤ 20
Si (Silicon)*	ppm	≤ 50
Sn (Tin)*	ppm	≤ 20
Zn (Zinc)*	ppm	≤ 20

Value determination

All values determined in accordance with 08170/xx

Information: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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