

## Specification

|                                 |                                   |
|---------------------------------|-----------------------------------|
| <b>IUPAC Name:</b>              | PALLADIUM(II) NITRATE SOLUTION    |
| <b>Heraeus Material / Type:</b> | Pd(II) Nitrate sol. L             |
| <b>Description /Formula:</b>    | Pd(NO <sub>3</sub> ) <sub>2</sub> |

Heraeus Deutschland GmbH & Co.KG · Heraeus Precious Metals · Heraeusstrasse 12-14 · 63450 Hanau, Germany  
 Contact Mail: precious.metals@heraeus.com · Phone.: +49(0)6181/35-4854

| Parameter  | Unit | Specification | Test Method                        |
|--|------|---------------|------------------------------------|
| <b><u>Precious metal</u></b>   |      |               |                                    |
| Palladium content *  | %    | 15.00 – 18.00 | 00079/xx<br>Pd-content gravimetric |
| <b><u>Impurities</u> relating to Pd * :</b>                          |      |               | 00195/xx<br>ICP-OES                |
| Total 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          |                                    |
| Sb (Antimony) *  | ppm  | ≤ 20          |                                    |
| Si (Silicon) *   | ppm  | ≤ 50          |                                    |

Chemical Products

Doc. Nr. SPEC-01-008\_00

**Heraeus**

Version: 01

Status: Approved

Valid from: 24.07.2019

|             |     |      |
|-------------|-----|------|
| Sn (Tin) *  | ppm | ≤ 50 |
| Zn (Zinc) * | ppm | ≤ 25 |

**Value Determination**

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

**Information:** -**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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