

## Specification

<b>IUPAC Name:</b>	AMMONIUM TETRAOXORHENATE(VII)
<b>Heraeus Material / Type:</b>	Ammonium Tetraoxorhenate(VII) HSTDP
<b>Description / Formula:</b>	NH <sub>4</sub> [ReO <sub>4</sub> ]

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Parameter	Unit	Specification	Test Method
<u>Precious metal</u>			
Rhenium content*	%	69.2 - 69.5	ICP-OES
<u>Chemical and physical properties</u> related to sample			
Nitrate content*	ppm	≤ 2000	07429/xx Ion chromatography
Sulfate content*	ppm	≤ 120	07429/xx Ion chromatography
Water insoluble content*	ppm	≤ 300	00088/xx Filter residue gravimetric
<u>Impurities</u> relating to precious metal			ICP-OES / ICP-MS / AAS
Au (Gold)*	ppm	≤ 25	
Ag (Silver)*	ppm	≤ 25	
Ir (Iridium)*	ppm	≤ 500	
Pd (Palladium)*	ppm	≤ 25	
Pt (Platinum)*	ppm	≤ 500	
Rh (Rhodium)*	ppm	≤ 500	
Ru (Ruthenium)*	ppm	≤ 500	
As (Arsenic)*	ppm	≤ 25	
Ba (Barium)*	ppm	≤ 50	
Ca (Calcium)*	ppm	≤ 250	

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Cd (Cadmium)*	ppm	≤ 20
Cu (Copper)*	ppm	≤ 25
Fe (Iron)*	ppm	≤ 50
Hg (Mercury)*	ppm	≤ 20
K (Potassium)*	ppm	≤ 250
Mg (Magnesium)*	ppm	≤ 250
Na (Sodium)*	ppm	≤ 250
Ni (Nickel)*	ppm	≤ 25
Pb (Lead)*	ppm	≤ 25
Si (Silicon)*	ppm	≤ 250

**Value determination**

All values determined in accordance with 08170/xx

**Information:**

Color: colorless

**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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*This specification and all information contained therein represent confidential information of Heraeus Precious Metals GmbH & Co.KG which must be kept strictly confidential by the recipient and may not be passed on to third parties. The properties stated above have been obtained under controlled test methods. Under other test conditions or productive use, the measured results may vary, in particular depending on the specific ambient conditions. In particular, the results from Heraeus Precious Metals GmbH & Co.KG inspection certificate do not release the customer from verifying itself and on its own responsibility whether the end product specified by Heraeus Precious Metals GmbH & Co.KG is suited for the intended purpose of use of the customer.*