

Specification

IUPAC Name: Rhodium(III) Chloride Solution

Heraeus Material / Type: Rh(III) Chloride sol. LSTDP

Description / Formula: RhCl₃

Heraeus Precious Metals GmbH & Co. KG · Heraeusstrasse 12-14 · 63450 Hanau, Germany

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Parameter	Unit	Specification	Test Method
<u>Precious metal</u>			
Rhodium content*	%	19 - 24	00081/xx Rh- content gravimetric
<u>Chemical and physical properties</u> related to sample			
Cl ⁻ (Chloride) content*	%	≤ 32	06442/xx Titration
NO ₃ (Nitrate) content*	ppm	≤ 500	
SO ₄ (Sulfate) content*	ppm	≤ 500	
Free HCl content *	%	≤ 10	00085/xx Free acid titration
<u>Impurities</u> relating to precious metal			00195/xx ICP-OES
Ir (Iridium)*	ppm	≤ 500	
Pd (Palladium)*	ppm	≤ 500	
Pt (Platinum)*	ppm	≤ 500	
Ru (Ruthenium)*	ppm	≤ 250	
Ag (Silver)*	ppm	≤ 250	
Au (Gold)*	ppm	≤ 100	
Sum of Impurities (above)*	ppm	≤ 1500	
Al (Aluminium)*	ppm	≤ 100	
As (Arsenic)*	ppm	≤ 50	

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B (Boron)*	ppm	≤ 50	
Bi (Bismuth)*	ppm	≤ 50	
Ca (Calcium)*	ppm	≤ 50	
Co (Cobalt)*	ppm	≤ 50	
Cr (Chromium)*	ppm	≤ 50	
Cu (Copper)*	ppm	≤ 50	
Fe (Iron)*	ppm	≤ 50	
K (Potassium) *	ppm	≤ 250	00086/xx AAS
Mg (Magnesium)*	ppm	≤ 50	
Mn (Manganese)*	ppm	≤ 50	
Na (Sodium)*	ppm	≤ 250	00086/xx AAS
Ni (Nickel)*	ppm	≤ 50	
Pb (Lead)*	ppm	≤ 50	
Si (Silicon)*	ppm	≤ 250	
Sn (Tin)*	ppm	≤ 50	
Zn (Zinc)*	ppm	≤ 50	

Value determination

All values determined in accordance with 08170/xx

Information:

Color: red

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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