

Specification

IUPAC Name: Rhodium(III) Sulfate Solution

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

Description / Formula: $\text{Rh}_2(\text{SO}_4)_3$

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*	%	75 - 85	
<u>Impurities</u>			
relating to precious metal			
Ir (Iridium) relating to Rh* relating to sample	ppm	≤ 750 ≤ 50	
Pd (Palladium) relating to Rh* relating to sample	ppm	≤ 300 ≤ 20	
Pt (Platinum) relating to Rh* relating to sample	ppm	≤ 750 ≤ 50	
Ru (Ruthenium) relating to Rh* relating to sample	ppm	≤ 300 ≤ 20	
Ru (Ruthenium) relating to Rh* relating to sample	ppm	≤ 300 ≤ 20	
Ag (Silver) relating to Rh* relating to sample	ppm	≤ 150 ≤ 10	
Au (Gold) relating to Rh* relating to sample	ppm	≤ 150 ≤ 10	
Al (Aluminium) relating to Rh* relating to sample	ppm	≤ 150 ≤ 10	
As (Arsenic) relating to Rh* relating to sample	ppm	≤ 150 ≤ 10	
Cd (Cadmium) relating to Rh* relating to sample	ppm	≤ 150 ≤ 10	

Co (Cobalt) relating to Rh* relating to sample	ppm	≤ 150 ≤ 10
Cr (Chromium) relating to Rh* relating to sample	ppm	≤ 150 ≤ 10
Cu (Copper) relating to Rh* relating to sample	ppm	≤ 150 ≤ 10
Fe (Iron) relating to Rh* relating to sample	ppm	≤ 450 ≤ 30
Mg (Magnesium) relating to Rh* relating to sample	ppm	≤ 1500 ≤ 100
Mn (Manganese) relating to Rh* relating to sample	ppm	≤ 150 ≤ 10
Ni (Nickel) relating to Rh* relating to sample	ppm	≤ 150 ≤ 10
Pb (Lead) relating to Rh* relating to sample	ppm	≤ 150 ≤ 10
Zn (Zinc) relating to Rh* relating to sample	ppm	≤ 150 ≤ 10

Value determination

All values determined in accordance with 08170/xx

Information:

Color: brown

Solution contains free sulfuric acid

Preliminary Specification

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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