

Certificate of Analysis

Product Name:

Hydriodic acid 57 wt.% in H₂O, stabilized, **PurReagent**

Product No.: PSR36832
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 10034-85-2
Molecular Formula: HI
Molecular Weight: 127.91 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	Colorless to yellow liquid	Yellow liquid
Titration by AgNO ₃ (% HI)	55.0 – 58.0 %	57.45 %
Titration by Na ₂ S ₂ O ₃ (% Free I ₂)	NMT 1.0 %	< 1.0 %
Silver (Ag)	NMT 1.1 ppm	< 1.1 ppm
Arsenic (As)	NMT 3.5 ppm	< 3.5 ppm
Barium (Ba)	NMT 0.1 ppm	< 0.1 ppm
Calcium (Ca)	NMT 0.4 ppm	< 0.4 ppm
Chromium (Cr)	NMT 0.1 ppm	< 0.1 ppm
Potassium (K)	NMT 5.6 ppm	< 5.6 ppm
Lead (Pb)	NMT 0.8 ppm	< 0.8 ppm
Iron (Fe)	NMT 1.0 ppm	< 1.0 ppm
Titanium (Ti)	NMT 0.1 ppm	< 0.1 ppm
Zinc (Zn)	NMT 0.1 ppm	< 0.1 ppm
Magnesium (Mg)	NMT 0.1 ppm	< 0.1 ppm
Antimony (Sb)	NMT 6.7 ppm	< 6.7 ppm
Sodium (Na)	NMT 1.6 ppm	< 1.6 ppm
Strontium (Sr)	NMT 0.1 ppm	< 0.1 ppm
Material stabilized with a maximum of 1.5% H ₃ PO ₂	Conforms	Conforms

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.

For queries on this COA, please contact our technical team at technical@pure-synth.com

Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Storage Condition:

Store at a temperature of 2- 8 °C and keep the container tightly closed.

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

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