

## Certificate of Analysis

Product Name:

**Nitric acid for analysis, PurSure, Ph Eur, ISO, ≥65%**

Product No.: PSR50353  
Lot No.: Sample COA  
Brand: PureSynth  
CAS No.: 7697-37-2  
Molecular Formula: HNO<sub>3</sub>  
Molecular Weight: 63.01 g/mol  
Date of Mfg.: NA  
Date of Exp.: NA

Test	Specification	Result
Appearance	Colourless to light yellow liquid	Colourless Liquid
Assay	≥ 65.0 %	67.50 %
Identification test	Conforms	Conforms
Density	1.384- 1.416 g/cm <sup>3</sup>	1.399 g/cm <sup>3</sup>
Chloride (Cl)	NMT 0.2 ppm	0.1 ppm
Phosphate (PO <sub>4</sub> )	NMT 0.2 ppm	0.1 ppm
Sulfate (SO <sub>4</sub> )	NMT 0.5 ppm	0.4 ppm
Heavy metals (as Pb)	NMT 0.2 ppm	0.1 ppm
Ag (Silver)	NMT 0.010 ppm	0.009 ppm
Al (Aluminium)	NMT 0.050 ppm	0.045 ppm
As (Arsenic)	NMT 0.010 ppm	0.008 ppm
Au (Gold)	NMT 0.050 ppm	0.049 ppm
Ba (Barium)	NMT 0.010 ppm	0.010 ppm
Be (Beryllium)	NMT 0.010 ppm	0.009 ppm
Bi (Bismuth)	NMT 0.020 ppm	0.018 ppm
Ca (Calcium)	NMT 0.100 ppm	0.099 ppm
Cd (Cadmium)	NMT 0.010 ppm	0.010 ppm
Co (Cobalt)	NMT 0.010 ppm	0.010 ppm
Cr (Chromium)	NMT 0.020 ppm	0.019 ppm
Cu (Copper)	NMT 0.010 ppm	0.010 ppm
Fe (Iron)	NMT 0.100 ppm	0.097 ppm
Ga (Gallium)	NMT 0.050 ppm	0.046 ppm
Ge (Germanium)	NMT 0.020 ppm	0.020 ppm
In (Indium)	NMT 0.020 ppm	0.018 ppm
K (Potassium)	NMT 0.100 ppm	0.098 ppm
Li (Lithium)	NMT 0.010 ppm	0.008 ppm

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](mailto:technical@pure-synth.com)

Mg (Magnesium)	NMT 0.050 ppm	0.048 ppm
Mn (Manganese)	NMT 0.010 ppm	0.009 ppm
Mo (Molybdenum)	NMT 0.010 ppm	0.010 ppm
Na (Sodium)	NMT 0.200 ppm	0.199 ppm
Ni (Nickel)	NMT 0.020 ppm	0.020 ppm
Pb (Lead)	NMT 0.010 ppm	0.010 ppm
Pt (Platinum)	NMT 0.100 ppm	0.099 ppm
Sr (Strontium)	NMT 0.010 ppm	0.008 ppm
Ti (Titanium)	NMT 0.020 ppm	0.018 ppm
Tl (Thallium)	NMT 0.020 ppm	0.019 ppm
V (Vanadium)	NMT 0.010 ppm	0.009 ppm
Zn (Zinc)	NMT 0.020 ppm	0.020 ppm
Zr (Zirconium)	NMT 0.020 ppm	0.019 ppm
Residue on ignition (as SO <sub>4</sub> )	NMT 3 ppm	2.89 ppm

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**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](http://www.pure-synth.com)

Inspect on receipt

**Storage Condition:**

Store at a room Temperature and keep the container tightly closed

PureSynth Research Chemicals GmbH

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

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