

## CERTIFICATE OF ANALYSIS

**Product** : NITRIC ACID ANALPURE®  
**Code** : SAc0061  
**Batch number** : 3094  
**Expiry date** : 31/01/2024 (dd/mm/yyyy)

Colour : < 7 APHA  
 Chloride (Cl) : < 0.2 ppm  
 Total Sulphur (S) : < 0.3 ppm  
 Total Phosphorus (P) : < 0.01 ppm  
 Assay : 69 %

Trace impurities (ppb = ng/g):

| Analyte    | Maximum concentration | Actual value | Analyte      | Maximum concentration | Actual value |
|------------|-----------------------|--------------|--------------|-----------------------|--------------|
| Aluminium  | 1                     | < 0.5        | Neodymium    | 0.1                   | < 0.1        |
| Antimony   | 0.5                   | < 0.1        | Nickel       | 0.5                   | < 0.5        |
| Arsenic    | 0.5                   | < 0.1        | Niobium      | 0.1                   | < 0.1        |
| Barium     | 0.1                   | < 0.1        | Palladium    | 0.5                   | < 0.1        |
| Beryllium  | 0.1                   | < 0.1        | Platinum     | 0.5                   | < 0.1        |
| Bismuth    | 0.1                   | < 0.1        | Potassium    | 1                     | < 0.1        |
| Boron      | 1                     | < 0.5        | Praseodymium | 0.1                   | < 0.1        |
| Cadmium    | 0.5                   | < 0.1        | Rhenium      | 0.1                   | < 0.1        |
| Calcium    | 1                     | < 0.5        | Rhodium      | 0.5                   | < 0.1        |
| Cerium     | 0.1                   | < 0.1        | Rubidium     | 0.1                   | < 0.1        |
| Cesium     | 0.1                   | < 0.1        | Ruthenium    | 0.5                   | < 0.1        |
| Chromium   | 1                     | < 0.5        | Samarium     | 0.1                   | < 0.1        |
| Cobalt     | 0.5                   | < 0.1        | Scandium     | 0.1                   | < 0.1        |
| Copper     | 0.5                   | < 0.1        | Selenium     | 1                     | < 0.2        |
| Dysprosium | 0.1                   | < 0.1        | Silver       | 0.1                   | < 0.1        |
| Erbium     | 0.1                   | < 0.1        | Sodium       | 1                     | < 0.5        |
| Europium   | 0.1                   | < 0.1        | Strontium    | 0.1                   | < 0.1        |
| Gadolinium | 0.1                   | < 0.1        | Tantalum     | Information only      | < 0.1        |
| Gallium    | 0.1                   | < 0.1        |              |                       |              |
| Germanium  | 0.1                   | < 0.1        | Tellurium    | 0.1                   | < 0.1        |
| Gold       | 0.1                   | < 0.1        | Terbium      | 0.1                   | < 0.1        |
| Hafnium    | 0.1                   | < 0.1        | Thallium     | 0.1                   | < 0.1        |
| Holmium    | 0.1                   | < 0.1        | Thorium      | 0.1                   | < 0.1        |
| Indium     | 0.1                   | < 0.1        | Thulium      | 0.1                   | < 0.1        |
| Iron       | 1                     | < 0.5        | Tin          | 0.5                   | < 0.1        |
| Lanthanum  | 0.1                   | < 0.1        | Titanium     | 0.5                   | < 0.1        |
| Lead       | 0.1                   | < 0.1        | Tungsten     | 0.1                   | < 0.1        |
| Lithium    | 0.1                   | < 0.1        | Uranium      | 0.1                   | < 0.1        |
| Lutetium   | 0.1                   | < 0.1        | Vanadium     | 0.5                   | < 0.1        |
| Magnesium  | 1                     | < 0.2        | Ytterbium    | 0.1                   | < 0.1        |
| Manganese  | 0.1                   | < 0.1        | Yttrium      | 0.1                   | < 0.1        |
| Mercury    | 0.1                   | < 0.02       | Zinc         | 0.5                   | < 0.5        |
| Molybdenum | 0.1                   | < 0.1        | Zirconium    | 0.1                   | < 0.1        |

Store at room temperature, 15°C to 25°C. Avoid exposure to sunlight or ultraviolet light source. Consult SDS prior to handling this product.



Release date: 31<sup>th</sup> May 2022

Person-in-Charge: Vladimír Patera