



 **Panreac**

Low mercury content reagents
for trace analysis

For Cold Vapour and Hydride
Generation methods

Low mercury content reagents for trace analysis For Cold Vapour and Hydride Generation methods



The **PA products with low content in Hg** are specifically recommended for the analysis of mercury by Atomic Absorption Spectroscopy using the method of Cold Vapour.

We can supply all the reagents required in this method and we can also supply Sodium Borohydride also used for Hydride Generation method.

The Analpur acids range with low content in metals are suitable for the analysis of heavy metals as Pb, Sn, Cr, etc. or substances like As, Zn, Cd, etc.

You will find detailed specifications in our **General Catalogue** or in www.panreac.com.

The following table shows our **PA with low mercury content reagents** program.

| Code | Description | Max. Hg content | Package | | | | | |
|--------|---|-----------------|---------|-------|-------|-------|-----------|-------|
| | | | 25 g | 100 g | 250 g | 500 g | 1000 ml/g | 2,5 l |
| 471020 | Hydrochloric Acid 37% (max.0,000 000 5% Hg) PA-ACS-ISO | 0,005 ppm | | | | | | |
| 471914 | Hydroxylammonium Chloride (max. 0,000 001% Hg) PA-ACS-ISO | 0,01 ppm | | | | | | |
| 473255 | Nitric Acid 65% (max. 0,000 000 5% Hg) PA-ISO | 0,005 ppm | | | | | | |
| 472175 | Perchloric Acid 70% (max. 0,000 000 5% Hg) PA-ACS-ISO | 0,005 ppm | | | | | | |
| 471500 | Potassium Dichromate (max. 0,000 005% Hg) PA-ACS-ISO | 0,05 ppm | | | | | | |
| 471527 | Potassium Permanganate (max. 0,000 005% Hg) PA-ACS | 0,05 ppm | | | | | | |
| 123314 | Sodium Borohydride (Reag. USP) PA | 0,5 ppm | | | | | | |
| 471659 | Sodium Chloride (max. 0,000 000 5% Hg) PA-ACS-ISO | 0,005 ppm | | | | | | |
| 471058 | Sulphuric Acid 95-98% (max. 0,000 000 5% Hg) PA-ACS-ISO | 0,005 ppm | | | | | | |
| 471303 | Tin(II) Chloride 2-hydrate (max. 0,000 005% Hg) PA-ACS | 0,05 ppm | | | | | | |

For the determination of other metals in the same sample, we recommend the use of acids ANALPUR grade, with a guaranteed lower content in other metallic traces. These are supplied with the corresponding certificate of analysis included in the package.

| Code | Description | Package 250 ml | Maximum limit of impurities |
|--------|-------------------------------------|-------------------------------|---|
| 381020 | Hydrochloric Acid 37% (TMA) ANALPUR | | 0,001 ppm Ag, Be, Cd, Co, Cu, Li, Mn, Mo, Pb, Sr, Ti, Tl, V, Zr |
| | | | 0,002 ppm In |
| | | | 0,005 ppm As, Au, Ba, Bi, Cr, Ga, Hg, Mg, Ni, Sn, Zn |
| | | | 0,01 ppm Fe, K, Pt |
| | | | 0,02 ppm Al, Na |
| 383255 | Nitric Acid 65% (TMA) ANALPUR | Borosilicate glass bottle | 0,05 ppm Ca |
| | | | 0,001 ppm Ag, As, Be, Cd, Co, Li, Mo, Sr, Ti, Tl, V, Zr |
| | | | 0,002 ppm Hg, In, Mn |
| | | | 0,005 ppm Au, Ba, Bi, Cu, Ga, Ge, Pb |
| | | | 0,01 ppm Ni, Zn |
| | | | 0,02 ppm Al, Cr, Mg, Sn |
| | 0,05 ppm K | | |
| | 0,1 ppm Ca, Fe | | |
| | 0,3 ppm Na | | |

Packaging symbols

Polyethylene bottle

Glass bottle

Panreac

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