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PureSynth®
Research Chemicals

# Product Specification

Product Name:
**Perchloric Acid Pur*Chrom* Hyper for HPLC, ≥70.0%**

| | |
|---|---|
| Product No.: | PSR50498 |
| Brand: | PureSynth |
| CAS No.: | 7601-90-3 |
| Molecular Formula: | $HClO_4$ |
| Molecular Weight: | 100.46 g/mol |



| Test | Specification |
|---|---|
| Appearance | Colourless Liquid |
| Assay | ≥ 70.0 % |
| Residue after ignition | NMT 0.003 % |
| Chloride (Cl) | NMT 0.0003 % |
| Phosphate and silicate (as $SiO_2$) | NMT 0.0005 % |
| Sulphate ($SO_4$) | NMT 0.001 % |
| Nitrogen Compound | NMT 0.002% |
| Heavy metals (Pb) | NMT 0.5 ppm |
| Cadmium | NMT 0.00001 % |
| Copper | NMT 0.00001 % |
| Iron (as Fe) | NMT 0.0002 % |
| Potassium | NMT 0.002 % |
| Manganese | NMT 0.00005 % |
| Zinc | NMT 0.00005 % |
| Free Chlorine | NMT 0.00005 % |
| Identification by $^1$H-NMR | Conforms to Structure |
| Suitability for HPLC | Complies |

Specification: PCH-1.0-QA/32, Ver. No. 1.1, 03.10.2026.

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