PureSynth®
Research Chemicals GmbH

PurCert

Standards for Ultimate Precision: Trusted, Chosen, Reliable

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Setting the Benchmark

PurCert offers a comprehensive portfolio of high-purity standards developed to support accurate calibration, method validation, system suitability, and quality control across a wide range of analytical platforms — including GC, GC/LC-MS, ICP, IC, AAS, titration and more.

Manufactured under ISO certified facilities and rigorous quality systems, PurCert standards ensure consistent performance, regulatory compliance, and confidence in your analytical results — batch after batch.

A comprehensive portfolio:

Our certified standards are formulated to deliver high performance across a wide range of analytical methods and regulatory frameworks.
Below is a detailed breakdown of our offering:

Category	Testing Applications
Primary/Secondary RS for GC / GC-HS	• Volatile organics, residual solvents & headspace analysis solutions. • High stability, certified concentrations, and multi-component options available.
Pharmaceutical Secondary Standards (CRMs)	• Alternative to pharmacopeial primary standards (USP/EP/BP) • Fully characterized • Designed for use in API assays, impurity profiling, and method validation
API Impurities	• Characterized impurity standards for APIs. • Supports ICH Q3A/B compliance

Certify Your Analysis

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Category	Testing Applications
Volumetric Standards	• Ready-to-use certified primary standards • Strict volumetric accuracy for high precision titration
FAME Standards	• For profiling in biodiesel, food products, and lipid research • Certified composition, ideal for GC-FID applications
Turbidity Standards	• Compatible with all major nephelometric instruments
pH Buffer CRMs	• Certified buffers across the full pH range
Pesticide Standards	• Multi-residue standards compliant with food safety regulations (EU, EPA, Codex) • Ideal for LC-MS/MS and GC-MS workflows
Density Standards	• High-purity density standards for pycnometers, densitometers
Conductivity Standards	• Conductivity solutions from 1 µS/cm to 100,000 µS/cm • Packaged for long-term stability
IC Standards	• Cation and anion standards in single or mixed formats
ICP & ICP-MS, AAS Standards	• Certified elemental solutions for metals analysis • Includes single- and multi-element standards

*Full traceability with accompanying **Certificate of Analysis (COA)** and **Safety Data Sheets (SDS).***
***Custom formulations** are available upon request.*

Certify Your Analysis

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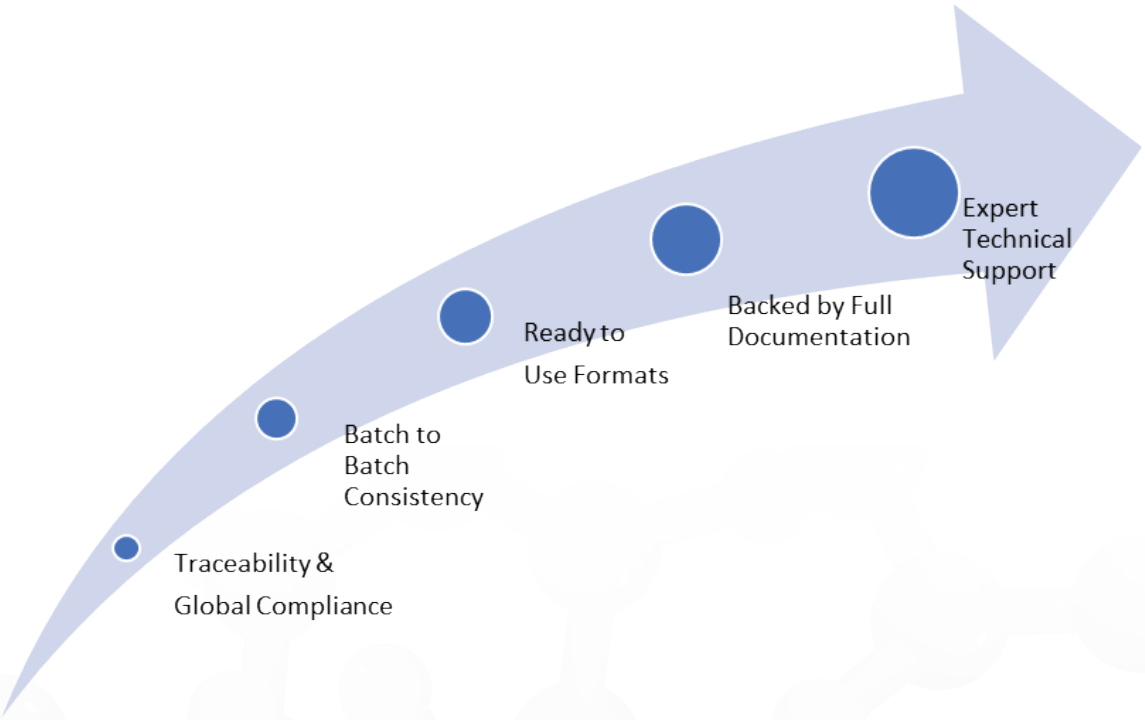
Applications Across Industries

Pharma | Biotech | Food & Beverage | Research | Diagnostics | Testing Labs | Academic

Where Our Standards Make the Difference



Custom Synthesis

Need something specialized?

We offer custom-formulated CRMs, matrix-matched solutions, and complex multi-analyte standards tailored to your specific methods or regulatory needs.

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