

Certified Reference Materials



RIGHT

Uncompromising Quality

READY

3 Manufacturing/
Inventory Locations

RICCA

Tightest Tolerances in the Industry,
Lowest Lot-to-Lot Variability

Since 1975, RICCA has been the trusted brand for high quality calibration standards. Over the past decade, our commitment to continuous improvement has led to new ISO 17025 and ISO 17034 accreditations across several test methods and standards! With standards for ICP, AA, ICP-MS, IC, pH, PFAS and Conductivity, we offer a variety of Certified Reference Materials that provide the highest level of quality assurance. These products have undergone rigorous evaluations of manufacturing methods, quality control, stability, and homogeneity. With our VeriSpec® line of Certified Reference Materials, every lot comes with a Certificate of Analysis containing a specified property value, uncertainty, and full metrological traceability.



Why Source with RICCA?

RIGHT

- Tightest Specifications in the industry, lowest lot-to-lot variability
- ISO 17025 and 17034 Accreditations, FDA, cGMP compliant facilities
- All products Certified Traceable to NIST Standards when available

READY

- Nationwide manufacturing/inventory locations
- Full documentation with each product - Certificate of Analysis
- Chemists ready to assist you in selecting the right product

RICCA

- Fifty years of successfully serving you, our customer



Contact Us At:

sales@riccachemical.com
(888) GO - RICCA (467-4222)

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RIGHT • READY • RICCA





VeriSpec® pH Buffer, Certified Reference Materials

- No formaldehyde or mercury compounds as preservatives
- No chromium compounds as colorants
- pH 4, 7 and 10 color coding available for easy identification
- Certified Traceable to NIST

RCC Part Number	Product Description	Sizes
RV148900	Buffer, pH 1.00 @ 25°C	500 mL
RV149200	Buffer, pH 1.68 @ 25°C	500 mL
RV149300	Buffer, pH 2.00 @ 25°C	500 mL
RV149500	Buffer, pH 3.00 @ 25°C	500 mL, 1 L
RV150000	Buffer, pH 4.00 @ 25°C	500 mL, 1 L
RV150100	Buffer, pH 4.00 (Color Coded Red) @ 25°C	500 mL, 1 L
RV150500	Buffer, pH 5.00 @ 25°C	500 mL, 1 L
RV151000	Buffer, pH 6.00 @ 25°C	500 mL, 1 L
RV154000	Buffer, pH 6.86 @ 25°C	500 mL, 1 L
RV155000	Buffer, pH 7.00 @ 25°C	500 mL, 1 L
RV155100	Buffer, pH 7.00 (Color Coded Yellow) @ 25°C	500 mL, 1 L
RV158000	Buffer, pH 8.00 @ 25°C	500 mL, 1 L
RV159000	Buffer, pH 9.00 @ 25°C	500 mL, 1 L
RV160000	Buffer, pH 10.00 @ 25°C	500 mL, 1 L
RV160100	Buffer, pH 10.00 (Color Coded Blue) @ 25°C	500 mL, 1 L
RV161000	Buffer, pH 11.00 @ 25°C	500 mL
RV161500	Buffer, pH 12.00 @ 25°C	500 mL
RV161800	Buffer, pH 12.45 @ 25°C	500 mL
RV162500	Buffer, pH 13.00 @ 25°C	500 mL

VeriSpec® Conductivity Standard, Certified Reference Materials

- Potassium Chloride starting materials
- Certified Traceable to NIST
- Wide range of concentrations

RCC Part Number	Product Description	Sizes
RV588510	Potassium Chloride Conductivity Standard, 10 $\mu\text{S}/\text{cm}$ @ 25°C	500 mL
RV588930	Potassium Chloride Conductivity Standard, 50 $\mu\text{S}/\text{cm}$ @ 25°C	500 mL
RV588684	Potassium Chloride Conductivity Standard, 84 $\mu\text{S}/\text{cm}$ @ 25°C	500 mL
RV588700	Potassium Chloride Conductivity Standard, 100 $\mu\text{S}/\text{cm}$ @ 25°C	500 mL
RV588730	Potassium Chloride Conductivity Standard, 250 $\mu\text{S}/\text{cm}$ @ 25°C	500 mL
RV588747	Potassium Chloride Conductivity Standard, 447 $\mu\text{S}/\text{cm}$ @ 25°C	500 mL
RV588750	Potassium Chloride Conductivity Standard, 500 $\mu\text{S}/\text{cm}$ @ 25°C	500 mL
RV588775	Potassium Chloride Conductivity Standard, 750 $\mu\text{S}/\text{cm}$ @ 25°C	500 mL
RV588801	Potassium Chloride Conductivity Standard, 1,000 $\mu\text{S}/\text{cm}$ @ 25°C	500 mL
RV588814	Potassium Chloride Conductivity Standard, 1,413 $\mu\text{S}/\text{cm}$ @ 25°C	500 mL
RV588843	Potassium Chloride Conductivity Standard, 5,000 $\mu\text{S}/\text{cm}$ @ 25°C	500 mL
RV588810	Potassium Chloride Conductivity Standard, 10,000 $\mu\text{S}/\text{cm}$ (10 mS/cm) @ 25°C	500 mL
RV588860	Potassium Chloride Conductivity Standard, 25,000 $\mu\text{S}/\text{cm}$ (25 mS/cm) @ 25°C	500 mL
RV588900	Potassium Chloride Conductivity Standard, 50,000 $\mu\text{S}/\text{cm}$ (50 mS/cm) @ 25°C	500 mL
RV588930	Potassium Chloride Conductivity Standard, 100,000 $\mu\text{S}/\text{cm}$ (100 mS/cm) @ 25°C	500 mL

VeriSpec® PFAS Standard, Certified Reference Materials

- Supports environmental testing, drinking and wastewater analysis, food safety, and industrial quality control.
- Ensure compliance with key methods:
 - EPA: 533, 537.1, 1633, 8327
 - ASTM: D7968, D7979, D8421, D853Z
- Ideal for high quality calibration standard preparation.

RCC Part Number	Product Description	Sizes
RV020000	Tricos fluorododecanoic acid (PFDoA)	100 mg
RV020001	Potassium nonafluoro-1-butanefulfonate (PFBS)	100 mg
RV020002	Perfluoroundecanoic acid (PFUnA)	100 mg
RV020003	Perfluorotetradecanoic acid (PFTreA)	100 mg
RV020004	Perfluorooctanic acid sodium salt (PFOA)	100 mg
RV020005	Perfluorooctanesulphonamide (PFOSA)	100 mg
RV020006	Perfluorooctane sulfonic acid (PFOS)	100 mg
RV020007	Pentadecafluorooctanoic acid ammonium salt (PFOA-NH ₄)	100 mg
RV020008	N-Ethyl-N-(2-hydroxyethyl)perfluorooctylsulfonamide (NETFOSE)	100 mg
RV020009	Heptadecafluorooctanesulfonic acid tetraethylammonium salt (PFOS-TEA)	100 mg

VeriSpec® Spectroscopy/Chromatography Standards

- Full Line of Single, Multi-Element, and Multi-Ion solutions
- EPA Contract Laboratory Program (CLP)
- Manufacturer specific instrument check, calibration, and QC Standards, plus more
- Custom blends to meet your requirements

Atomic Absorption Spectroscopy (AAS) Standards

RCC Part Number	Product Description	Sizes
RV010019	Iron (Fe) Standard for AAS 1000 ppm in 2% HCl	100 mL, 500 mL
RV010037	Nickel (Ni) Standard for AAS 1000 ppm in 2% HNO ₃	100 mL, 500 mL
RV010039	Lead (Pb) Standard for AAS 1000 ppm in 2% HNO ₃	100 mL, 500 mL
RV010004	Gold (Au) Standard for AAS 1000 ppm in 2% HCl	100 mL, 500 mL
RV010088	Zinc (Zn) Standard for AAS 1000 ppm in 2% HNO ₃	100 mL, 500 mL
RV010073	Copper (Cu) Standard for AAS 1000 ppm in 2% HNO ₃	100 mL, 500 mL

Inductively Coupled Plasma (ICP) Standards

RCC Part Number	Product Description	Sizes
RV010300	Phosphorus Standard for ICP 1000 ppm in H ₂ O	100 mL, 250 mL, 500 mL
RV010328	Yttrium Standard for ICP 1000 ppm in 2% HNO ₃	100 mL, 250 mL, 500 mL
RV010343	Manganese Standard for ICP 1000 ppm in 2% HNO ₃	100 mL, 250 mL, 500 mL
RV010262	Arsenic Standard for ICP 1000 ppm in 2% HNO ₃	100 mL, 250 mL, 500 mL
RV010270	Cadmium Standard for ICP 1000 ppm in 2% HNO ₃	100 mL, 250 mL, 500 mL
RV010299	Osmium Standard for ICP 1000 ppm in 2% HCl	100 mL, 250 mL, 500 mL

Inductively Coupled Plasma Mass Spectrometry (ICP-MS) Standards

RCC Part Number	Product Description	Sizes
RV010599	Lithium Standard for ICP/MS 10 ppm in 2% HNO ₃	100 mL
RV010525	Mercury Standard for ICP/MS 100 ppm in 5% HNO ₃	100 mL
RV010610	Palladium Standard for ICP/MS 10 ppm in 2% HNO ₃	100 mL
RV010617	Sulfur Standard for ICP/MS 10 ppm in H ₂ O	100 mL
RV010596	Iridium Standard for ICP/MS 10 ppm in 2% HCl	100 mL
RV010503	Aluminum Standard for ICP/MS 10 ppm in 2% HNO ₃	100 mL

Multi-Element / Multi-Ion Standards

RCC Part Number	Product Description	Sizes
RV010681	Multi-Element Standard 12 10 ppm: B, Ge, Mo, Nb, P, Re, S, Si, Ta, Ti, W, Zr	100 mL
RV010823	QC Standard 23 1,000 ppm: Ag, Al, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, In, K, Li, Mg, Mn, Na, Ni, Pb, Sr, Tl, Zn	100 mL
RV010667	QC Standard 27 100 ppm: Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Si, Ag, Sr, Na, Ti, Tl, V, Zn	100 mL
RV010836	Multi-Element Environmental Standard 26 100 ppm: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sn, Sr, Ti, Tl, V, Zn	100 mL
RV010741	Mixed Anion Standard 7 100 ppm: F ⁻ , PO ₄ ³⁻ , NO ₂ ⁻ , NO ₃ ⁻ , Br ⁻ , SO ₄ ²⁻ , Cl ⁻	100 mL
RV010714	Multi-Element Standard 24 100 ppm: Al, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, K, Li, Mg, Mn, Na, Ni, Pb, Se, Sr, Te, Tl, Zn	100 mL

Ion Chromatography (IC) Standards

RCC Part Number	Product Description	Sizes
RV010911	Chloride - Cl ⁻ Standard for Ion Chromatography 1000 ppm in H ₂ O	100 mL, 250 mL, 500 mL
RV010915	Fluoride - F ⁻ Standard for Ion Chromatography 1000 ppm in H ₂ O	100 mL, 250 mL, 500 mL
RV010932	Nitrite(N) - NO ₂ ⁻ f(N) Standard for Ion Chromatography 1000 ppm in H ₂ O	100 mL, 250 mL, 500 mL
RV010943	Sulphate - SO ₄ ²⁻ Standard for Ion Chromatography 1000 ppm in H ₂ O	100 mL, 250 mL, 500 mL
RV010952	Cyanide - CN ⁻ Standard for Ion Chromatography 1000 ppm in KOH 0.1%	100 mL, 250 mL, 500 mL
RV010906	Bromide - Br ⁻ Standard for Ion Chromatography 1000 ppm in H ₂ O	100 mL, 250 mL, 500 mL
RV010910	Chlorite - ClO ₂ ⁻ Standard for Ion Chromatography 1000 ppm in H ₂ O	250 mL, 500 mL
RV010922	Lithium - Li ⁺ Standard for Ion Chromatography 1000 ppm in H ₂ O	100 mL, 250 mL, 500 mL



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