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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



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
RCRV148900500A	Buffer, pH 1.00 @ 25°C	500 mL
RCRV149200500A	Buffer, pH 1.68 @ 25°C	500 mL
RCRV149300500A	Buffer, pH 2.00 @ 25°C	500 mL
RCRV149500-1A	Buffer, pH 3.00 @ 25°C	1 L
RCRV149500500A	Buffer, pH 3.00 @ 25°C	500 mL
RCRV150000-1A	Buffer, pH 4.00 @ 25°C	1 L
RCRV150000500A	Buffer, pH 4.00 @ 25°C	500 mL
RCRV150100-1A	Buffer, pH 4.00 (Color Coded Red) @ 25°C	1 L
RCRV150100500A	Buffer, pH 4.00 (Color Coded Red) @ 25°C	500 mL
RCRV150500-1A	Buffer, pH 5.00 @ 25°C	1 L
RCRV150500500A	Buffer, pH 5.00 @ 25°C	500 mL
RCRV151000-1A	Buffer, pH 6.00 @ 25°C	1 L
RCRV151000500A	Buffer, pH 6.00 @ 25°C	500 mL
RCRV154000-1A	Buffer, pH 6.86 @ 25°C	1 L
RCRV154000500A	Buffer, pH 6.86 @ 25°C	500 mL
RCRV155000-1A	Buffer, pH 7.00 @ 25°C	1 L
RCRV155000500A	Buffer, pH 7.00 @ 25°C	500 mL
RCRV155100-1A	Buffer, pH 7.00 (Color Coded Yellow) @ 25°C	1 L
RCRV155100500A	Buffer, pH 7.00 (Color Coded Yellow) @ 25°C	500 mL
RCRV158000-1A	Buffer, pH 8.00 @ 25°C	1 L
RCRV158000500A	Buffer, pH 8.00 @ 25°C	500 mL
RCRV159000-1A	Buffer, pH 9.00 @ 25°C	1 L
RCRV159000500A	Buffer, pH 9.00 @ 25°C	500 mL
RCRV160000-1A	Buffer, pH 10.00 @ 25°C	1 L
RCRV160000500A	Buffer, pH 10.00 @ 25°C	500 mL
RCRV160100-1A	Buffer, pH 10.00 (Color Coded Blue) @ 25°C	1 L
RCRV160100500A	Buffer, pH 10.00 (Color Coded Blue) @ 25°C	500 mL
RCRV161000500G	Buffer, pH 11.00 @ 25°C	500 mL
RCRV161500500G	Buffer, pH 12.00 @ 25°C	500 mL
RCRV161800500G	Buffer, pH 12.45 @ 25°C	500 mL
RCRV162500500G	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
RCRV588510500A	Potassium Chloride Conductivity Standard, 10 $\mu\text{S}/\text{cm}$ @ 25°C	500 mL
RCRV588650500A	Potassium Chloride Conductivity Standard, 50 $\mu\text{S}/\text{cm}$ @ 25°C	500 mL
RCRV588684500A	Potassium Chloride Conductivity Standard, 84 $\mu\text{S}/\text{cm}$ @ 25°C	500 mL
RCRV588700500A	Potassium Chloride Conductivity Standard, 100 $\mu\text{S}/\text{cm}$ @ 25°C	500 mL
RCRV588730500A	Potassium Chloride Conductivity Standard, 250 $\mu\text{S}/\text{cm}$ @ 25°C	500 mL
RCRV588747500A	Potassium Chloride Conductivity Standard, 447 $\mu\text{S}/\text{cm}$ @ 25°C	500 mL
RCRV588750500A	Potassium Chloride Conductivity Standard, 500 $\mu\text{S}/\text{cm}$ @ 25°C	500 mL
RCRV588775500A	Potassium Chloride Conductivity Standard, 750 $\mu\text{S}/\text{cm}$ @ 25°C	500 mL
RCRV588801500A	Potassium Chloride Conductivity Standard, 1,000 $\mu\text{S}/\text{cm}$ @ 25°C	500 mL
RCRV588810500A	Potassium Chloride Conductivity Standard, 1,413 $\mu\text{S}/\text{cm}$ @ 25°C	500 mL
RCRV588814500A	Potassium Chloride Conductivity Standard, 5,000 $\mu\text{S}/\text{cm}$ @ 25°C	500 mL
RCRV588843500A	Potassium Chloride Conductivity Standard, 5000 $\mu\text{S}/\text{cm}$ at 25°C	500 mL
RCRV588860500A	Potassium Chloride Conductivity Standard, 25,000 $\mu\text{S}/\text{cm}$ (25 mS/cm) at 25°C	500 mL
RCRV588900500A	Potassium Chloride Conductivity Standard, 50,000 $\mu\text{S}/\text{cm}$ (50 mS/cm) at 25°C	500 mL
RCRV588930500A	Potassium Chloride Conductivity Standard, 100 mS/cm at 25°C	500 mL

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
RCRV010019100N	Iron (Fe) Standard for AAS 1000 ppm in 2% HCl	100 mL
RCRV010037100N	Nickel (Ni) Standard for AAS 1000 ppm in 2% HNO ₃	100 mL
RCRV010039100N	Lead (Pb) Standard for AAS 1000 ppm in 2% HNO ₃	100 mL
RCRV010074100N	Gold (Au) Standard for AAS 1000 ppm in 2% HCl	100 mL
RCRV010088100N	Zinc (Zn) Standard for AAS 1000 ppm in 2% HNO ₃	100 mL
RCRV010073100N	Copper (Cu) Standard for AAS 1000 ppm in 2% HNO ₃	100 mL

Inductively Coupled Plasma (ICP) Standards

RCC Part Number	Product Description	Sizes
RCRV010300100N	Phosphorus Standard for ICP 1000 ppm in H ₂ O	100 mL
RCRV010328100N	Yttrium Standard for ICP 1000 ppm in 2% HNO ₃	100 mL
RCRV010343100N	Manganese Standard for ICP 1000 ppm in 2% HNO ₃	100 mL
RCRV010262100N	Arsenic Standard for ICP 1000 ppm in 2% HNO ₃	100 mL
RCRV010270100N	Cadmium Standard for ICP 1000 ppm in 2% HNO ₃	100 mL
RCRV010264500N	VeriSpec® Boron Standard for ICP 1000 ppm in H ₂ O	500 mL

Inductively Coupled Plasma Mass Spectrometry (ICP-MS) Standards

RCC Part Number	Product Description	Sizes
RCRV010599100N	Lithium Standard for ICP/MS 10 ppm in 2% HNO ₃	100 mL
RCRV010525100N	Mercury Standard for ICP/MS 100 ppm in 5% HNO ₃	100 mL
RCRV010610100N	Palladium Standard for ICP/MS 10 ppm in 2% HNO ₃	100 mL
RCRV010617100N	Sulfur Standard for ICP/MS 10 ppm in H ₂ O	100 mL
RCRV010596100N	Iridium Standard for ICP/MS 10 ppm in 2% HCl	100 mL
RCRV010503100N	Aluminum Standard for ICP/MS 10 ppm in 2% HNO ₃	100 mL

Multi-Element / Multi-Ion Standards

RCC Part Number	Product Description	Sizes
RCRV010667100N	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
RCRV010836100N	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
RCRV010741100N	Mixed Anion Standard 7 100 ppm: F ⁻ , PO ₄ ³⁻ , NO ₂ ⁻ , NO ₃ ⁻ , Br ⁻ , SO ₄ ²⁻ , Cl ⁻	100 mL
RCRV010714100N	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
RCRV010860100N	Multi-Element Standard 29 10ppm: Al, Ag, As, Ba, Be, Bi, Ca, Cd, Co, Cr, Cs, Cu, Fe, Ga, In, K, Li, Mg, Mn, Na, Ni, Pb, Rb, Se, Sr, Ti, U, V, Zn	100 mL
RCRV010833100N	Instrument Calibration Standard 26 100ppm: 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
RCRV010823100N	QC Standard 23 1000 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
RCRV010713100N	Multi-Element Standard 30 1,000ppm Ca; 100ppm As, B, Be, Fe, Se, Zn; 10ppm Ag, Al, Ba, Bi, Cd, Co, Cr, Cu, Ga, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Rb, Sr, Te, Tl, U, V	100 mL
RCRV010654100N	Multi-Element Calibration Standard 2A 10ppm: Ag, Al, As, Ba, Be Ca, Cd, Co, Cr, Cs, Cu, Fe, Ga, Hg, K, Li, Mg, Mn, Na, Ni, Pb, Rb, Se, Sr, Tl, U, V, Zn	100 mL
RCRV010758100N	Mixed Cation Standard 6 100 ppm: Li ⁺ , Na ⁺ , NH ₄ ⁺ , K ⁺ , Ca ²⁺ , Mg ²⁺	100 mL

Ion Chromatography (IC) Standards

RCC Part Number	Product Description	Sizes
RCRV010911100N	Chloride - Cl ⁻ Standard for Ion Chromatography 1000 ppm in H ₂ O	100 mL
RCRV010915100N	Fluoride - F ⁻ Standard for Ion Chromatography 1000 ppm in H ₂ O	100 mL
RCRV010932100N	Nitrite(N) - NO ₂ ⁻ f(N) Standard for Ion Chromatography 1000 ppm in H ₂ O	100 mL
RCRV010943100N	Sulphate - SO ₄ ²⁻ Standard for Ion Chromatography 1000 ppm in H ₂ O	100 mL
RCRV010943500N	Sulphate - SO ₄ ²⁻ Standard for Ion Chromatography 1000 ppm in H ₂ O	500 mL
RCRV010906100N	Bromide - Br ⁻ Standard for Ion Chromatography 1000 ppm in H ₂ O	100 mL
RCRV010922100N	Lithium - Li ⁺ Standard for Ion Chromatography 1000 ppm in H ₂ O	100 mL
RCRV010928100N	Nitrate - NO ₃ ⁻ Standard for Ion Chromatography 1000 ppm in H ₂ O	100 mL