

It's About Time.



Save time and cut costs with our ready-made solutions and standards.

RICCA CHEMICAL COMPANY manufactures a wide range of high-quality solutions and standards for the Pharmaceutical industry that are prepared and tested in accordance with the U.S. Pharmacopeia and the European Pharmacopoeia.

Source with RICCA and you can expect...

- Products are assigned a unique lot number at manufacture.
- MSDS's and CofAs with instructions for use, including tests, on most solutions, available on our website.
- Products that have certificates containing grade of raw materials used, manufacturing specifications, test method details, NIST traceability, storage recommendations, expiration dating, and test equipment calibration.
- An adequate supply of raw materials and finished goods so we can quickly ship your items.
- Strategic sourcing partners for the best pricing.
- The ability to create custom solutions to meet your every need.
- Multiple facilities nationwide.
- Industry degreed staff from inside sales to technical support.

Try them for yourself! We offer free samples on most products, so you can try before you buy.

Contact us at:

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

RICCA CHEMICAL COMPANY products are manufactured to have the tightest specifications available in the industry.



RIGHT • READY • RICCA

Pharmaceutical Manufacturing

Dissolution

R7108000	Simulated Gastric Fluid (without Pepsin), 0.2% (w/v) Sodium Chloride in 0.7% (v/v) Hydrochloric Acid
R7109100	Simulated Intestinal Fluid, USP, without Pancreatin (pH 6.8)
R7109750	Simulated Intestinal Fluid (without Pancreatin), USP XXII Formulation
R7109800	Simulated Intestinal Fluid (without Pancreatin), USP XXII Formulation, adjusted to 0.5 Molar Ionic Strength
R7109000	Simulated Intestinal Fluid TS

pH

USP <791>

R1502000	Buffer, Precision Reference Standard, pH 4.000 ± 0.002 at 25°C (Color Coded Red)
R1492500	Buffer, Reference Standard, pH 1.68 ± 0.002 at 25°C
R1513000	Buffer, Precision Reference Standard, pH 6.000 ± 0.002 at 25°C
R1532000	Buffer, Precision Reference Standard, pH 6.500 ± 0.002 at 25°C
R1552000	Buffer, Precision Reference Standard, pH 7.000 ± 0.002 at 25°C (Color Coded Yellow)
R1582000	Buffer, Precision Reference Standard, pH 8.000 ± 0.005 at 25°C
R1602000	Buffer, Precision Reference Standard, pH 10.000 ± 0.005 at 25°C
R1618300	Buffer, Reference Standard, pH 12.450 ± 0.003 at 25°C
R1489200	Buffer, pH 1.00, USP Reagent
R1583200	Buffer, pH 8.00, USP Reagent
R1603200	Buffer, pH 10.00, USP Reagent

Conductivity

USP <645>

R5885100	Potassium Chloride Conductivity Standard, 10 µS/cm (10 µmho/cm) at 25°C
R5887000	Potassium Chloride Conductivity Standard, 100 µS/cm (100 µmho/cm) at 25°C
R5888010	Potassium Chloride Conductivity Standard, 1 mS/cm (1000 µmho/cm) at 25°C
R2243000	Conductivity/TDS Standard, 1 mS/cm (1000 µmho/cm) at 25°C, 495 ppm as NaCl
R2236000	Conductivity Standard, 10 µS/cm (10 µmho/cm) at 25°C 4.7 ppm as NaCl
R2241000	Conductivity/TDS Standard, 500 µS/cm (500 µmho/cm) at 25°C, 240 ppm as NaCl

Color and Achromicity

USP <631>

R4621001	Matching Fluid A, for USP Color Testing
R4621002	Matching Fluid B, for USP Color Testing
R4621003	Matching Fluid C, for USP Color Testing
R4621004	Matching Fluid D, for USP Color Testing
R4621005	Matching Fluid E, for USP Color Testing
R4621006	Matching Fluid F, for USP Color Testing

Tightest specifications in the industry with minimal lot-to-lot variance.

Color and Achromicity USP <631>

R4621007	Matching Fluid G, for USP Color Testing
R4621008	Matching Fluid H, for USP Color Testing
R4621009	Matching Fluid I, for USP Color Testing
R4621010	Matching Fluid J, for USP Color Testing
R4621011	Matching Fluid K, USP - for Color and Achromicity
R4621012	Matching Fluid L, for USP Color Testing
R4621013	Matching Fluid M, for USP Color Testing
R4621014	Matching Fluid N, for USP Color Testing
R4621015	Matching Fluid O, for USP 631 Color and Achromicity Testing
R4621016	Matching Fluid P, for USP Color Testing
R4621017	Matching Fluid Q, for USP Color Testing
R4621018	Matching Fluid R, for USP Color Testing
R4621019	Matching Fluid S, for USP Color Testing
R4621020	Matching Fluid T, for USP Color Testing

USP <191>**Identification Tests-General aka Test**

R3109000	Ferric Chloride TS, 9% (w/v) Aqueous Solution
R0694600	Ammonium Sulfide TS
R4000000	Iodine (Iodine-Iodide), 0.100 Normal (N/10)
R1980000	Chlorine Water, Saturated Aqueous Solution, approximately 0.3% (w/v)
R7000000	Silver Nitrate, 0.100 Normal (N/10)
R5045000	Methyl Red TS, 0.1% (w/v) Alcoholic Solution
R0679000	Ammonium Oxalate TS, 3.5% (w/v) Aqueous Solution
R1785000	Calcium Hydroxide TS, Saturated Aqueous Solution
R5622000	Phenolphthalein TS/RS, 1% (w/v) Alcoholic
R0616200	Ammonia TS 2
R4660000	Mercuric Chloride TS
R2494000	Cupric Sulfate TS, 12.5% (w/v) Aqueous Solution
R0696900	Ammonium Thiocyanate TS, 8% (w/v) Aqueous Solution
R0617500	Ammoniacal Potassium Ferricyanide TS
R6400000	Potassium Permanganate, 0.100 Normal (N/10), 0.0200 Molar (M/50)
R0618000	Ammonium Acetate TS, 10% (w/v) Aqueous Solution
R6005000	Potassium Chromate TS, 10% (w/v) Aqueous Solution, Chloride Free, Indicator for Argentometric Titrations
R7161000	Sodium Carbonate TS, 2.00 Normal Aqueous (10.6 g/100 mL)
R0626500	Ammonium Chloride TS, 10.5% (w/v) Aqueous Solution
R0622500	Ammonium Carbonate TS

USP <191>	Identification Tests-General aka Test
R7522000	Sodium Phosphate, Dibasic TS, 12% (w/v) Aqueous Solution
R4124000	Iodine and Potassium Iodide TS 1
R1783000	Calcium Chloride TS, 7.5% (w/v) Aqueous Solution
R5466000	Oxalic Acid TS, 6.3% (w/v) Aqueous Solution
R6041000	Potassium Dichromate TS, 7.5% (w/v) Aqueous Solution
R0674000	Ammonium Molybdate TS
R6458000	Potassium Pyroantimonate TS
R0854000	Barium Chloride TS/RS, 12% (w/v) Aqueous Solution
R4293000	Lead Acetate TS, 9.5% (w/v) Aqueous Solution
R4788000	Mercurous Nitrate TS
R7450000	Sodium Hydroxide, 1.00 Normal
R0627200	Ammonium Chloride-Ammonium Hydroxide TS
R1025000	Biuret Reagent TS
R1202000	Bromocresol Green TS, 0.05% (w/v) Alcoholic Solution
R1221000	Bromocresol Green-Methyl Red TS
R1310000	Bromocresol Purple TS, 0.1% (w/v) in dilute Sodium Hydroxide
R0230000	Acetone, Buffered TS
R0623300	Ammonia Cyanide TS
R0623500	Ammonia-Ammonium Chloride Buffer TS
R0686000	Ammonium Phosphate TS/RS, 13% (w/v) Aqueous Solution
R0698300	Ammonium Vanadate TS
R0898000	Barium Hydroxide TS, Saturated Aqueous Solution, pH 12.9
R0899500	Barium Nitrate TS
R1357000	Bromophenol Blue TS, 0.1% (w/v) in dilute Alcohol
R1378000	Bromothymol Blue TS, 0.1% (w/v) in 50% (v/v) Alcohol
R1823500	Calcium Sulfate TS, Saturated Aqueous Solution
R2208000	Cobaltous Chloride TS, 2% (w/v) in dilute Hydrochloric Acid
R2253000	Congo Red TS
R2450000	Cresol Red TS, 0.04% (w/v) Aqueous Solution
R2455000	Cresol Red-Thymol Blue TS
R2483000	Crystal Violet (Gentian Violet) Indicator, 1% (w/v) in Glacial Acetic Acid, for Nonaqueous Titrations
R2487000	Cupric Acetate TS
R2488000	Cupric Acetate TS, Stronger
R2493000	Cupric Citrate TS, Alkaline
R2549000	Dichlorofluorescein TS, 0.1% (w/v) in dilute Alcohol
R2554000	Diiodofluorescein TS, 0.5% (w/v) in dilute Alcohol

USP <191>**Identification Tests-General aka Test**

R2605000	Diphenylcarbazone TS, 1% (w/v) Alcoholic Solution
R2664000	Edetate Disodium TS, 0.1% (w/v) in 5% (v/v) Alcohol
R2858000	Eosin Y TS, 0.5% (w/v) Aqueous Solution, Adsorption Indicator for Argentometric Titrations
R2901000	Eriochrome Black TS
R2903000	Eriochrome Cyanine TS
R3058000	Ferric Ammonium Sulfate TS, 8% (w/v) Aqueous Solution
R3287000	Glycerin Base TS
R4102000	Iodobromide TS
R4124300	Iodine and Potassium Iodide TS 3
R4289500	Lanthanum Nitrate TS
R4293800	Lead Acetate TS, Alcoholic, 2% (w/v) Alcoholic Solution
R4312000	Lead Subacetate TS
R4548000	Magnesium Sulfate TS, 12% (w/v) Aqueous Solution
R4629000	Mercuric Acetate TS, 6% (w/v) in Glacial Acetic Acid
R4765000	Mercuric-Potassium Iodide TS, Mayer's Reagent
R4779000	Mercuric Sulfate TS, Denigès' Reagent
R4862000	Methylene Blue TS, 0.05% (w/v) Alcoholic
R5045200	Methyl Red TS 2
R5045500	Methyl Red TS for Acid or Alkali Test JP
R5090000	Methyl Red-Methylene Blue TS, Alcoholic Mixed Indicator
R5227000	p-Naphtholbenzein TS, 0.25% (w/v) in Glacial Acetic Acid
R5231000	Naphthylethylenediamine Dihydrochloride TS
R5255000	Nessler's Reagent (Mercuric - Potassium Iodide TS, Alkaline), USP 25
R5271000	Neutral Red TS, 0.1% (w/v) in 50% Alcohol
R5464800	Orthophenanthroline TS, 0.025 M Phenanthroline Ferrous Sulfate
R5721000	pH 4.7 Phenol Red TS
R5723000	Phenol Red TS, 0.1% (w/v) Alcoholic
R5772000	Phenylhydrazine - Sulfuric Acid TS
R5775000	Phloroglucinol TS, 2% (w/v) Alcoholic Solution
R5859600	Phosphotungstic Acid TS
R5866000	Potassium Acetate TS, 10% (w/v) Aqueous Solution
R5882500	Potassium Carbonate TS, 7% (w/v) Aqueous Solution
R6125000	Potassium Hydroxide TS, 6.50% (w/v) Aqueous Solution
R6307000	Potassium Iodide TS, 16.5% (w/v) Aqueous Solution, Stabilized
R6540000	Potassium Sulfate TS, 1% (w/v) Aqueous Solution
R6589100	Quimociac TS (FCC)

USP <191>
Identification Tests-General aka Test

R6619000	Resorcinol TS
R7109000	Simulated Intestinal Fluid TS
R7113000	Sodium Acetate TS, 13.6% (w/v) Aqueous Solution
R7198000	Sodium Chloride TS, Alkaline
R7247000	Sodium Hydroxide, 4% (w/v) Aqueous Solution (40 g/L)
R7852000	Sodium Tartrate TS, 11.5% (w/v)
R7854000	Sodium Tetraphenylboron TS
R8104000	Sulfanilic Acid TS, 0.8% (w/v) in Glacial Acetic Acid
R8114000	Sulfomolybdic Acid TS
R8393400	Thioacetamide TS, 4% (w/v) Aqueous Solution
R8422000	Thymol Blue TS/RS, 0.1% (w/v) in Alcohol
R8460000	Thymolphthalein TS/RS, 0.1% (w/v) in Alcohol
R7950000	Sodium Thiosulfate, 0.100 Normal (N/10)

Drug Discovery
Stains

R3250000	Giemsa Stain, Stock, for Blood and Tissue Staining, and Staining of Malarial Parasites in Blood
R9350000	Wright's Stain, Rapid Formula, for Staining and General Differentiation of Blood Corpuscles
R9380000	Wright-Giemsa Stain Mixture
R3530000	Hematoxylin Stain Solution, Modified Harris Formulation (Mercury Free), Nuclear Stain for General Histology and Cytology
R3535000	Hematoxylin Stain Solution, Gill 1 Formulation, Regular Strength, for Staining Delicate Nuclei in Progressive Cytology Staining Procedures
R3536000	Hematoxylin Stain Solution, Gill 2 Formulation, Double Strength, for More Intense Nuclei in Progressive Cytology Staining and for Staining Delicate Nuclei in Progressive Histology Staining Procedures
R3537000	Hematoxylin Stain Solution, Gill 3 Formulation, Triple Strength, for Frozen or Plastic Imbedded Sections, and for More Intense Nuclei in Progressive Histology Staining
R3537400	Hematoxylin Stain Solution, Gill , BelAir Formulation
R5500000	Papanicolaou Stain, EA-36-50 Formula, Counterstain for use with Hematoxylin Stains in the Papanicolaou Staining Procedure
R5505000	Papanicolaou Stain, EA-65 Formula, Counterstain for use with Hematoxylin Stains in the Papanicolaou Staining Procedure
R5510000	Papanicolaou Stain, OG-6 Formula, Modified, Counterstain for use with Hematoxylin Stains in the Papanicolaou Staining Procedure
R5511000	Papanicolaou Stain, Gill's Modified EA Formula, Acidified Cytoplasmic Counterstain for use with Hematoxylin Stains
R5512000	Papanicolaou Stain, Gill's Modified OG-6 Formula, Counterstain for use with Hematoxylin Stains in the Papanicolaou Staining Procedure
R3470000	Eosinophil Stain, Eosin Y-Methylene Blue, for Mucous Secretions

Detergents **A surfactant or a mixture of surfactants with “cleaning properties in dilute solutions”**

R8698500	Triton® X-100, Wetting Agent
R8865000	Tween 80

Chelators **EDTA is a chelator of divalent cations such as Mg⁺⁺.**

RDSC0720	Sodium Oxalate ACS Reagent Grade
RDCC0600	Citric Acid Anhydrous ACS
RDCE0220	EDTA, Disodium, Dihydrate, ACS Reagent Grade

Calibration Buffers - Precision Reference

R1502000	Buffer, Precision Reference Standard, pH 4.000 ± 0.002 at 25°C (Color Coded Red)
R1492500	Buffer, Reference Standard, pH 1.68 ± 0.002 at 25°C
R1513000	Buffer, Precision Reference Standard, pH 6.000 ± 0.002 at 25°C
R1532000	Buffer, Precision Reference Standard, pH 6.500 ± 0.002 at 25°C
R1552000	Buffer, Precision Reference Standard, pH 7.000 ± 0.002 at 25°C (Color Coded Yellow)
R1582000	Buffer, Precision Reference Standard, pH 8.000 ± 0.005 at 25°C
R1602000	Buffer, Precision Reference Standard, pH 10.000 ± 0.005 at 25°C
R1618300	Buffer, Reference Standard, pH 12.450 ± 0.003 at 25°C
R1489200	Buffer, pH 1.00, USP Reagent
R1583200	Buffer, pH 8.00, USP Reagent
R1603200	Buffer, pH 10.00, USP Reagent

Titants

R7450000	Sodium Hydroxide, 1.00 Normal
R7000000	Silver Nitrate, 0.100 Normal (N/10)
R3600000	Hydrochloric Acid, 0.100 Normal (N/10)
R8300000	Sulfuric Acid, 1.00 Normal
R7950000	Sodium Thiosulfate, 0.100 Normal (N/10)
R0695000	Ammonium Thiocyanate, 0.100 Normal (N/10)
R4745000	Mercuric Nitrate, 0.100 Molar (M/10), 0.200 Normal (N/5)
R4000000	Iodine (Iodine-Iodide), 0.100 Normal (N/10)

Heavy Metals and Elemental Limits by AA/ICP

RAAL1KN0	Aluminum AA Standard, 1 mL = 1 mg Al (1,000 ppm Al) Al(NO ₃) ₃ in 3% HNO ₃
RACD1KN0	Cadmium AA Standard, 1 mL = 1 mg Cd (1,000 ppm Cd) Cd in 3% HNO ₃
RACR61KN	Chromium(VI) AA Standard, 1 mL = 1 mg Cr (1,000 ppm Cr) (NH ₄) ₂ Cr ₂ O ₇ in 3% HNO ₃
RACR1KH0	Chromium AA Standard, 1 mL = 1 mg Cr (1,000 ppm Cr) Cr in 3% HCl
RACU1KN0	Copper AA Standard, 1 mL = 1 mg Cu (1,000 ppm Cu) Cu in 3% HNO ₃

Heavy Metals and Elemental Limits by AA/ICP

RAFE1KN0	Iron AA Standard, 1 mL = 1 mg Fe (1,000 ppm Fe) Fe(NO ₃) ₃ in 3% Nitric Acid
RAHG1KN0	Mercury AA Standard, 1 mL = 1 mg Hg (1,000 ppm Hg) HgO in 3% HNO ₃
RAPB1KN0	Lead AA Standard, 1 mL = 1 mg Pb (1,000 ppm Pb) Pb in 3% HNO ₃
RANI1KN0	Nickel AA Standard, 1 mL = 1 mg Ni (1,000 ppm Ni) Ni in 3% HNO ₃
RAZN1KN0	Zinc AA Standard, 1 mL = 1 mg Zn (1,000 ppm Zn) Zn in 3% HNO ₃
RAAS1KN0	Arsenic AA Standard, 1 mL = 1 mg As (1,000 ppm As) As ₂ O ₃ in 3% HNO ₃
RPAL1KN0	Aluminum ICP Standard, 1 mL = 1 mg Al (1,000 ppm Al) Al(NO ₃) ₃ in 3% HNO ₃
RPCD1KN0	Cadmium ICP Standard, 1 mL = 1 mg Cd (1,000 ppm Cd) Cd in 3% HNO ₃
RPCR1KN0	Chromium ICP Standard, 1 mL = 1 mg Cr (1,000 ppm Cr) Cr(NO ₃) ₃ in 3% HNO ₃
RPCU1KN0	Copper ICP Standard, 1 mL = 1 mg Cu (1,000 ppm Cu) Cu in 3% HNO ₃
RPHG1KN0	Mercury ICP Standard, 1 mL = 1 mg Hg (1,000 ppm Hg) Hg in 3% HNO ₃
RPNI1KN0	Nickel ICP Standard, 1 mL = 1 mg Ni (1,000 ppm Ni) Ni in 3% HNO ₃
RPPB1KN0	Lead ICP Standard, 1 mL = 1 mg Pb (1,000 ppm Pb) Pb in 3% HNO ₃
RPZN1KN0	Zinc ICP Standard, 1 mL = 1 mg Zn (1,000 ppm Zn) Zn in 3% HNO ₃
RPFE1KN0	Iron ICP Standard, 1 mL = 1 mg Fe (1,000 ppm Fe) Fe in 3% HNO ₃
RPAS1KN0	Arsenic ICP Standard, 1 mL = 1 mg As (1,000 ppm As) As in 3% HNO ₃

Control Buffers

R5823000	Phosphate Buffered Saline, 0.82% (w/v) Sodium Chloride in Aqueous Phosphate Buffer, pH 7.10 to 7.30 at 25°C
R4230000	Isotonic Buffered Saline, 0.8% (w/v) Aqueous Solution, pH 7.4 in 0.016 Molar Phosphate Buffer
R1556000	Buffer, pH 7.00, HEPES, Isotonic (non-sterile)
R4808000	MES Buffer, 0.5 Molar, pH 6.1
R4809000	MES/TRIS Buffer, 0.0500 Molar, pH 8.2
R5817000	Phosphate Buffered Saline, 0.9% (w/v) Aqueous Solution, pH 7.40 at 25°C
R6685000	Borate Buffered Saline, 0.8% Aqueous Sodium Chloride, pH 7.25
R1450000	Buffer Solution, Giordano, pH 6.4 (M/15), for Wright Staining
R1474000	Buffer Solution, pH 3.5 R
R3463000	Guanidine Hydrochloride, Buffered, 8.0 Molar



RIGHT • READY • RICCA

PROPRIETARY STATEMENT: This sales guide contains proprietary and confidential information of RICCA CHEMICAL COMPANY, and shall not be used, disclosed or reproduced, in whole or part without expressed written consent.

© 2013, RICCA CHEMICAL COMPANY