

Buffers, Volumetric
Reagents, & Titrants

AccuSPEC standards and reagents are manufactured to meet laboratory needs. Choose from a wide selection of product lines which include: APHA Method Products to Inorganic compounds. Custom blends are available for selected products.

Products for APHA Methods	... 81
Acids & Base Titrants	... 83
BOD, COD, TOC	... 85
Buffers	... 86
Conductivity Standards	... 88
Ion Selective Electrode Standards & Solutions	... 89
Products for Dairy Testing	... 91
Pulp and Paper Products	... 93
Soil Analysis Products	... 94
Volumetric Solutions	... 97
Volumetric Concentrates	... 99
Indicators	... 101
High-Purity Compounds	... 103
Inorganic Compounds	... 104
Certificates of Analysis	
Hydrochloric Acid	... 108
Conductivity Standard	... 109

Buffers, Volumetric Reagents & Titrants

[illegible]

Products for APHA Methods

Maximize productivity and reduce analysis costs using **AccuSPEC** prepared standards and reagents for American Public Health Association (APHA) Methods. Prepared solutions are available for most common Inorganic Standard Methods.

- Prepared as per guidelines from "Standard Methods for the Examination of Water and Wastewater", 20th Edition
 - Compliance with APHA, AWWA & WEF
- Links between reagents and specific methods
 - Easy retrieval of specific reagents
- Manufactured and tested under our ISO Certified Quality Programs
 - Consistency between product lots



APHA: American Public Health Association
AWWA: American Water Works Association
WEF: Water Environment Federation

Solution	Description	Concentration	Code	Catalog Number		
				500 ml	1 L	5 L
Acetate Buffer	For As (pH 5.5)			250-200-100	250-200-101	250-200-102
Acetate Buffer	For Br (pH 4.6-4.7)			250-200-130	250-200-131	250-200-132
Acetate Buffer	For Cl (pH 4)		✓ ⑧	250-200-160	250-200-161	250-200-162
Acetate Buffer	For CN (pH 4.5)		✓ ⑧	250-200-190	250-200-191	250-200-192
Acetate Buffer	For F		✓ ⑧	250-200-220	250-200-221	250-200-222
Alum solution	AlK(SO ₄) ₂	10% w/v		250-260-100	250-260-101	250-260-102
Ammonium Acetate	Acetic Acid Buffer		✓ ⑧	250-200-280	250-200-281	250-200-282
Ammonium Chloride	EDTA			250-260-175	250-260-176	250-260-177
Ammonium Chloride	NH ₄ Cl	0.05 M		250-260-125	250-260-126	250-260-127
Ammonium Chloride	NH ₄ Cl	1.15 g/l		250-260-150	250-260-151	250-260-152
Ammonium Hydroxide*	(as NH ₃), NH ₄ OH	0.5 N		250-100-150	250-100-151	250-100-152
Ammonium Hydroxide	(as NH ₃), NH ₄ OH	5 N	✓ ⑧	250-100-300	250-100-301	250-100-302
Ammonium Hydroxide*	(as NH ₃), NH ₄ OH	5% v/v		250-100-350	250-100-351	250-100-352
Ammonium Hydroxide*	(as NH ₃), NH ₄ OH	10% v/v		250-100-400	250-100-401	250-100-402
Ammonium Molybdate I			✓ ⑧	250-260-250	250-260-251	---
Ammonium Molybdate II			✓ ⑧	250-260-275	250-260-276	---
Ammonium Molybdate	(NH ₄) ₆ Mo ₇ O ₂₄	4% w/v		250-260-200	250-260-201	250-260-202
Ammonium Molybdate	(NH ₄) ₆ Mo ₇ O ₂₄	10% w/v		250-260-225	250-260-226	250-260-227
Ammonium Oxalate	(NH ₄) ₂ C ₂ O ₄	4% w/v		250-260-300	250-260-301	250-260-302
Ammonium Oxalate	(NH ₄) ₂ C ₂ O ₄	5% w/v		250-260-325	250-260-326	250-260-327
Ammonium Phosphate	(NH ₄) ₂ HPO ₄	30% w/v		250-260-350	250-260-351	---
Ammonium Phosphate	(NH ₄) ₂ HPO ₄	40% w/v		250-260-375	250-260-376	---
Ammonium Phosphate	(NH ₄) ₂ HPO ₄	50% w/v		250-260-400	250-260-401	---
Ammonium Sulphate	(NH ₄) ₂ SO ₄	10% w/v		250-260-425	250-260-426	---
Arsenous Acid Solution			✓ ⑥	250-005-000	250-005-001	---
Borate Buffer				250-200-310	250-200-311	250-200-312
Borax*	Na ₂ B ₄ O ₇	1% w/v		250-260-450	250-260-451	250-260-452

* Available in 10 and 20 L bottles

⊗ Glass Container
✓ Dangerous Goods*

⑥ Poison
⑧ Corrosive

③ Flammable
⑤ Oxidant

* as defined by :

* Hazardous Materials Regulations of the U.S. Department of Transportation, Tariff No. BOE-6000-R
* Canadian Transportation of Dangerous Goods Act and Regulations, Revision December 2000
* International Air Transport Association - Dangerous Goods Regulation, 40th Edition

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Products for APHA Methods

Solution	Description	Concentration	Code	Catalog Number				
				60 ml	125 ml	500 ml	1 L	5 L
Bromcresol Green-Methyl Red	Aqueous		⊗	250-120-140	250-120-141	250-120-142	250-120-143	---
Bromcresol Green-Methyl Red	Isopropanol		③ ⊗	250-120-150	250-120-151	250-120-152	250-120-153	---
Calcium Carbonate Std	CaCO ₃	1 mg/L CaCO ₃				250-260-475	250-260-476	250-260-477
Color Standard 500 Units	Pt-Co Solution		✓ ⊗ ⑧			250-260-500	250-260-501	---
Copper Sulfate-Sulfamic Acid	Inhibitor		✓ ⊗ ⑧			250-260-550	250-260-551	---
Copper Sulfate	CuSO ₄	2% w/v	⊗			250-260-525	250-260-526	250-260-527*
EDTA Disodium Salt(for NH ₃ .N)**	C ₁₀ H ₁₄ N ₂ O ₈ Na ₂	0.25 M				---	250-260-575	250-260-576
EDTA Disodium Salt(for NH ₃ .N)**		50% w/v				---	250-260-600	250-260-601
Eriochrome Black T	in 2-Methoxyethanol	0.5% w/v	✓ ⊗ ③	250-120-350	250-120-351	250-120-352	250-120-353	---
Eriochrome Black T	in Triethanolamine	1% w/v	⊗	250-120-360	250-120-361	250-120-362	250-120-363	---
Ferric Nitrate	Fe(NO ₃) ₃	40.4% w/v	✓ ⊗			250-260-625	250-260-626	250-260-627*
Lead Acetate	(CH ₃ COO) ₂ Pb	10%	✓ ⑥			250-260-650	250-260-651	---
Manganous Sulfate	MnSO ₄	364 g/L				250-260-675	250-260-676	250-260-677
MBTH Indicator		0.05%	⊗	250-120-390	250-120-391	250-120-392	250-120-393	---
Mercuric Nitrate	Hg(NO ₃) ₂	0.0141 N	⊗			250-260-700	250-260-701	250-260-702*
Mercuric Sulfate Special Reagent			✓ ⊗ ⑧			250-260-725	250-260-726	---
Methyl Red - Methylene Blue			⊗	250-120-470	250-120-471	250-120-472	250-120-473	---
Oxalic Acid	C ₂ H ₂ O ₄	7.5% w/v	✓ ⊗ ⑥			250-040-200	250-040-201	250-040-202*
Potassium Chromate	K ₂ CrO ₄	0.065% w/v	⊗			250-120-620	250-120-621	250-120-622*
Potassium Oxalate	(COOK) ₂	2% w/v				250-260-750	250-260-751	---
Potassium Permanganate***	KMnO ₄	0.01 N	⊗			250-260-775	250-260-776	250-260-777*
Potassium Persulfate	K ₂ S ₂ O ₈	5% w/v	⊗			250-260-800	250-260-801	250-260-802*
Sodium Acetate	CH ₃ COONa	2 M				250-260-825	250-260-826	250-260-827
Sodium Acetate	CH ₃ COONa	0.2 N				250-260-850	250-260-851	250-260-852
Sodium Arsenite	NaAsO ₂	0.1 N				250-310-380	250-310-381	---
Sodium Bicarbonate Solution**	NaHCO ₃	5.5% w/v				250-260-875	250-260-876	250-260-877
Sodium Chloride**	NaCl	0.0141 M				250-260-900	250-260-901	250-260-902
Sodium Hydroxide Dilution Solution**	NaOH	0.16% w/v	✓ ⑧			250-108-640	250-108-641	250-108-642
Stannous Chloride I			⊗			250-260-625	---	---
Stannous Chloride II			⊗			250-260-950	---	---
Sulfuric Acid	H ₂ SO ₄	16.7% v/v	✓ ⑧			250-060-490	250-060-491	250-060-492
Vanadate-Molybdate Solution			✓ ⑧			250-260-970	250-260-971	250-260-972
Zinc Acetate	(CH ₃ COO) ₂ Zn	10% w/v				250-260-980	250-260-981	250-260-982
Zinc Sulfate	ZnSO ₄	10% w/v				250-260-990	250-260-991	250-260-992

* Indicates 4L Glass Bottle

** Available in 10 and 20 L bottles

*** Class A precursor requires special document. Contact customer service.

⊗ Glass Container
✓ Dangerous Goods*

⑥ Poison
⑧ Corrosive

③ Flammable
⑤ Oxidant

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* International Air Transport Association - Dangerous Goods Regulation, 40th Edition

High Temperature Digestion System - DigiPREP HT

The *DigiPREP HT* is available in two models - a 40 tube (100 ml) or a 20 tube (250 ml) system. Ideal for digestion applications such as:

- Soil
- Plant
- Plastics
- Kjeldahl / TKN
- Compost
- Oils



Acids & Base Titrants

AccuSPEC acids and bases are manufactured for routine lab analysis. Several volumes and concentrations are available, in-stock, ready to ship. Contact your Sales Representative for custom blends.

- Available in many sizes
 - Use only what is required. Save money on larger volumes
- Custom blends, concentrations, and volumes available
- Includes Certificate of Analysis listing actual concentration, lot number, expiry date, traceability where appropriate
 - Complete documentation for audit purposes
- Manufactured and tested under ISO Certified Quality Programs
 - Consistency between product lots



Acids	Description	Concentration	Code	Catalog Number		
				500 ml	1 L	5 L
Acetic Acid	CH ₃ COOH	0.1 N		250-000-100	250-000-101	250-000-102
Acetic Acid	CH ₃ COOH	0.5 N		250-000-150	250-000-151	250-000-152
Acetic Acid	CH ₃ COOH	1 N		250-000-200	250-000-201	250-000-202
Acetic Acid	CH ₃ COOH	3 N	✓ ⑧	250-000-250	250-000-251	250-000-252
Acetic Acid	CH ₃ COOH	1% v/v		250-000-300	250-000-301	250-000-302
Acetic Acid	CH ₃ COOH	10% v/v	✓ ⑧	250-000-500	250-000-501	250-000-502
Acetic Acid	CH ₃ COOH	20% v/v	✓ ⑧	250-000-550	250-000-551	250-000-552
Acetic Acid	CH ₃ COOH	25% v/v	✓ ⑧	250-000-600	250-000-601	250-000-602
Boric Acid	H ₃ BO ₃	2% w/v		250-015-100	250-015-101	250-015-102
Boric Acid	H ₃ BO ₃	4% w/v		250-015-200	250-015-201	250-015-202
Citric Acid	H ₃ C ₆ H ₅ O ₇	1.0 M		250-025-100	250-025-101	250-025-102
Citric Acid	H ₃ C ₆ H ₅ O ₇	10% w/v		250-025-200	250-025-201	250-025-202
Hydrochloric Acid	HCl	0.01 N	✓ ⑧	250-030-100	250-030-101	250-030-102
Hydrochloric Acid	HCl	0.1N	✓ ⑧	250-030-190	250-030-191	250-030-192
Hydrochloric Acid	HCl	0.5 N	✓ ⑧	250-030-280	250-030-281	250-030-282
Hydrochloric Acid	HCl	1 N	✓ ⑧	250-030-400	250-030-401	250-030-402
Hydrochloric Acid	HCl	2 N	✓ ⑧	250-030-430	250-030-431	250-030-432
Hydrochloric Acid	HCl	5 N	✓ ⑧	250-030-520	250-030-521	---
Hydrochloric Acid	HCl	10% v/v	✓ ⑧	250-030-760	250-030-761	250-030-762
Hydrochloric Acid	HCl	20% v/v	✓ ⑧	250-030-790	250-030-791	250-030-792
Nitric Acid	HNO ₃	0.1 N	✓ ⑧	250-035-150	250-035-151	250-035-152
Nitric Acid	HNO ₃	1 N	✓ ⑧	250-035-200	250-035-201	250-035-202
Nitric Acid	HNO ₃	2 N	✓ ⑧	250-035-250	250-035-251	250-035-252
Oxalic Acid	C ₂ H ₂ O ₄	0.1 N	✓ ⑥ ⑧	250-040-100	250-040-101	250-040-102*
Perchloric Acid	HClO ₄	0.1 N	✓ ⑧	250-045-100	250-045-101	250-045-102
Phosphoric Acid	H ₃ PO ₄	10% v/v	✓ ⑧	250-050-100	250-050-101	250-050-102

* Indicates 4L Glass Bottle

⊗ Glass Container
✓ Dangerous Goods*

⑥ Poison
⑧ Corrosive

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* as defined by :

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Acids & Base Titrants

Acids	Description	Concentration	Code	Catalog Number		
				500 ml	1 L	5 L
Sulfuric Acid	H ₂ SO ₄	0.02 N	✓ ⑧	250-060-100	250-060-101	250-060-102
Sulfuric Acid	H ₂ SO ₄	0.1 N	✓ ⑧	250-060-160	250-060-161	250-060-162
Sulfuric Acid	H ₂ SO ₄	0.5 N	✓ ⑧	250-060-250	250-060-251	250-060-252
Sulfuric Acid	H ₂ SO ₄	1 N	✓ ⑧	250-060-280	250-060-281	250-060-282
Sulfuric Acid	H ₂ SO ₄	2 N	✓ ⑧	250-060-310	250-060-311	250-060-312
Sulfuric Acid	H ₂ SO ₄	5 N	✓ ⑧	250-060-400	250-060-401	250-060-402
Tartaric Acid	HOOC(CHOH) ₂ COOH	2% w/v		---	250-065-102	---
Tartaric Acid	HOOC(CHOH) ₂ COOH	10% w/v		250-065-200	---	---

Bases	Description	Concentration	Code	Catalog Number		
				500 ml	1 L	5 L
Ammonium Hydroxide(as NH ₃)	NH ₄ OH	0.1 N		250-100-100	250-100-101	250-100-102
Ammonium Hydroxide(as NH ₃)	NH ₄ OH	1 N		250-100-200	250-100-201	250-100-202
Ammonium Hydroxide(as NH ₃)	NH ₄ OH	10% v/v		250-100-400	250-100-401	250-100-402
Potassium Hydroxide	KOH	0.1 N	✓ ⑧	250-104-100	250-104-101	250-104-102
Potassium Hydroxide	KOH	0.5 N	✓ ⑧	250-104-150	250-104-151	250-104-152
Potassium Hydroxide	KOH	1 N	✓ ⑧	250-104-200	250-104-201	250-104-202
Potassium Hydroxide	KOH (in Methanol)	0.02 N	✓ ③	---	---	250-104-501
Potassium Hydroxide	KOH (in Methanol)	0.5N	✓ ③	---	250-104-600	---
Potassium Hydroxide	KOH (in Methanol)	1 N	✓ ③	---	250-104-650	250-104-651
Sodium Hydroxide	NaOH	0.01 N	✓ ⑧	250-108-100	250-108-101	250-108-102
Sodium Hydroxide	NaOH	0.1 N	✓ ⑧	250-108-220	250-108-221	250-108-222
Sodium Hydroxide	NaOH	0.5 N	✓ ⑧	250-108-370	250-108-371	250-108-372
Sodium Hydroxide	NaOH	1 N	✓ ⑧	250-108-400	250-108-401	250-108-402
Sodium Hydroxide	NaOH	2 N	✓ ⑧	250-108-430	250-108-431	250-108-432
Sodium Hydroxide	NaOH	5 N	✓ ⑧	250-108-520	250-108-521	250-108-522
Sodium Hydroxide	NaOH	10 N	✓ ⑧	250-108-580	250-108-581	250-108-582

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AccuSPEC COD Digestion Tubes



- Fully compatible with EPA 410.4 and Standard Methods 5220
- Free Certified Reference Material for COD Analysis
- Available in three ranges (150 mg/L, 1 500 mg/L, and 15 000 mg/L)



AccuSPEC Standards & Reagents for BOD, COD and TOC

AccuSPEC standards and reagents for BOD, COD, and TOC reduce analysis costs and maximize productivity. All common standards and reagents are available as well as custom blends.

- Prepared following guidelines from "Standards Methods for the Examination of Water and Wastewater", 20th Edition.
 - Time saving. Compliance with APHA, AWWA & WEF
- Manufactured and tested under ISO Certified Quality Programs
 - Consistency between product lots
- Kits available
 - Save with comprehensive product groupings
- Larger volumes available or special order for additional savings



APHA: American Public Health Association
AWWA: American Water Works Association
WEF: Water Environment Federation

Solution	Test	Concentration	Code	Catalog Number			
				125 ml	500 ml	1 L	5 L
BOD Kit	BOD		⊗	---	250-110-150	250-110-151	250-110-152
Buffer pH 7.2 (phosphate)	BOD			---	250-110-100	250-110-101	250-110-102
Calcium Chloride, CaCl ₂	BOD	2.75% w/v		---	250-110-200	250-110-201	250-110-202
Ferric Chloride, FeCl ₃	BOD	0.025% w/v	✓ ⊗ ⑥	---	250-110-300	250-110-301	250-110-302
Magnesium Sulfate, MgSO ₄	BOD	2.25% w/v	⊗	---	250-110-400	250-110-401	250-110-402
1,10-Phenanthroline, C ₁₂ H ₈ N ₂	COD	0.1%	⊗	250-120-521	250-120-522	250-120-523	---
COD Control Solution	COD	100 mg/l O ₂		250-130-512	250-130-550	250-130-551	---
COD Control Solution	COD	1000 mg/l O ₂		250-130-602	250-130-600	250-130-601	---
COD Control Solution	COD	10 000 mg/l O ₂		250-130-652	250-130-650	250-130-651	---
COD Digestion Tubes (25 + 1 QC)	COD	0-150 ppm	✓ ⊗ ⑥	250-130-006**	---	---	---
COD Digestion Tubes (25 + 1 QC)	COD	0-1500 ppm	✓ ⊗ ⑥	250-130-016**	---	---	---
COD Digestion Tubes (25 + 1 QC)	COD	0-15000 ppm	✓ ⊗ ⑥	250-130-026**	---	---	---
Ferrous Ammonium Sulfate, Fe(NH ₄) ₂ (SO ₄) ₂	COD	0.00282 N	✓ ⊗	---	250-130-150	250-130-151	250-130-152*
Ferrous Ammonium Sulfate, Fe(NH ₄) ₂ (SO ₄) ₂	COD	0.05 N	✓ ⊗	---	250-130-200	250-130-201	250-130-202*
Ferrous Ammonium Sulfate, Fe(NH ₄) ₂ (SO ₄) ₂	COD	0.1 N	✓ ⊗	---	250-130-250	250-130-251	250-130-252*
Ferrous Ammonium Sulfate, Fe(NH ₄) ₂ (SO ₄) ₂	COD	0.25 N	✓ ⊗	---	250-130-300	250-130-301	250-130-302*
Ferrous Ammonium Sulfate, Fe(NH ₄) ₂ (SO ₄) ₂	COD	0.4 N	✓ ⊗	---	250-130-350	250-130-351	250-130-352*
Ferrous Ammonium Sulfate, Fe(NH ₄) ₂ (SO ₄) ₂	COD	1 N	✓ ⊗	---	250-130-400	250-130-401	250-130-402*
Ferrous Ammonium Sulfate, Fe(NH ₄) ₂ (SO ₄) ₂	COD	20% w/v	✓ ⊗	---	250-130-450	250-130-451	250-130-452*
Total Inorganic Carbon Standard	TIC	100 µg/ml		---	250-250-003	---	---
Total Inorganic Carbon Standard	TIC	1000 µg/ml		250-250-000	250-250-001	---	---
Total Inorganic Carbon Standard	TIC	10 000 µg/ml		---	250-250-002	---	---
Total Organic Carbon Standard	TOC	100 µg/ml		---	250-250-053	---	---
Total Organic Carbon Standard	TOC	1000 µg/ml		250-250-050	250-250-051	---	---
Total Organic Carbon Standard	TOC	10 000 µg/ml		---	250-250-052	---	---

* Indicates 4L Glass Bottle

** Indicates 25 x 16 mm Diameter Tubes

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AccuSPEC Buffers

A full range of buffers for most laboratory applications. Buffers are traceable to NIST and each includes a comprehensive Certificate of Analysis. All buffers are certified at 25°C.



- Certificate of Analysis with actual concentration, lot number, expiry date, and traceability to NIST, where applicable
 - Complete documentation for audit purposes
- Available in many sizes
 - Use only what is required. Save money on larger volumes
 - Larger volumes available on special order
- Color coded Buffers with flip-top cap for pH 4, 7, & 10.
 - Easy recognition, easy dispensing

Buffer Solution (pH certified at 25°C)	Code	Catalog Number		
		500 ml	1 L	5 L
Acetate Buffer for As (pH 5.5)		250-200-100	250-200-101	250-200-102
Acetate Buffer for Br (pH 4.6-4.7)		250-200-130	250-200-131	250-200-132
Acetate Buffer for Cl (pH 4)	✓ ⑧	250-200-160	250-200-161	250-200-162
Acetate Buffer for CN (pH 4.5)	✓ ⑧	250-200-190	250-200-191	250-200-192
Acetate Buffer for F	✓ ⑧	250-200-220	250-200-221	250-200-222
Acid Buffer with Chloride	✓ ⑧	250-200-250	---	---
Adams-Evans Buffer Solution		---	---	250-240-130*
Ammonium Acetate - Acetic Acid Buffer	✓ ⑧	250-200-280	250-200-281	250-200-282
Barium Borate-Hydroxide Buffer	✓ ⑧	250-170-150	250-170-151	---
Borate Buffer		250-200-310	250-200-311	250-200-312
Borax Buffer, 0.00996 M		250-200-340	250-200-341	250-200-342*
Boric Acid Buffer		---	250-200-370	250-200-371*
Buffer Masking Reagent	✓ ⑧	250-240-220	250-240-221	250-240-222
Buffer pH 1	✓ ⑧	250-201-001	250-201-002	250-201-003
Buffer pH 2		250-202-001	250-202-002	250-202-003*
Buffer pH 3		250-203-001	250-203-002	250-203-003*
Buffer pH 4		250-204-001	250-204-002	250-204-003*
Buffer pH 4 red		250-204-501	---	250-204-502*
Buffer pH 4 concentrate		250-204-701	250-204-702	---
Buffer pH 5		250-205-001	250-205-002	250-205-003*
Buffer pH 6		250-206-001	250-206-002	250-206-003*

* Available in 10 and 20 L bottles

⊗ Glass Container
✓ Dangerous Goods*

⑧ Poison
⑧ Corrosive

③ Flammable
⑤ Oxidant

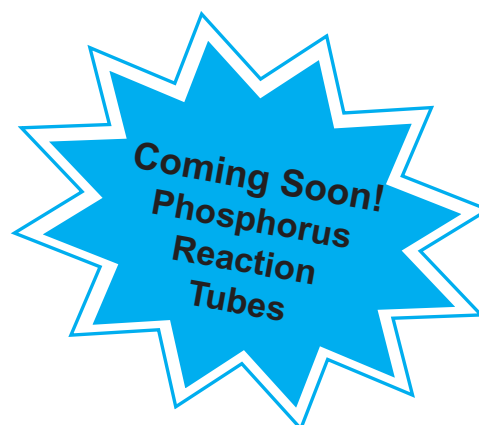
* as defined by :

* Hazardous Materials Regulations of the U.S. Department of Transportation, Tariff No. BOE-6000-R
* Canadian Transportation of Dangerous Goods Act and Regulations, Revision December 2000
* International Air Transport Association - Dangerous Goods Regulation, 40th Edition

Inorganic Compounds

- All products meet ACS specifications, where applicable
- Compliance with recognized norms & standards
- Packaged in wide-mouth bottles for easy dispensing





Buffer Solution (pH certified at 25°C)	Code	Catalog Number		
		500 ml	1 L	5 L
Buffer pH 7		250-207-001	250-207-002	250-207-003*
BufferpH pH 7 yellow		250-207-501	---	250-207-502*
Buffer pH 7 concentrate		250-207-701	250-207-702	---
Buffer pH 7.2 (phosphate)		250-110-100	250-110-101	250-110-102
Buffer pH 7.40		250-200-580	250-200-581	250-200-582
Buffer pH 8		250-208-001	250-208-002	250-208-003*
Buffer pH 9		250-209-001	250-209-002	250-209-003*
Buffer pH 10		250-210-001	250-210-002	250-210-003*
Buffer pH 10 Blue		250-210-501	---	250-210-502*
Buffer pH 10 concentrate		250-210-701	250-210-702	---
Buffer Set (pH 4 Red, pH 7 Yellow, pH 10 Blue)		250-200-000	---	---
Buffer TISAB with CDTA		---	---	250-200-430*
Buffer TISAB II with CDTA		---	---	250-200-460*
Carbonate Buffer		---	250-200-490	250-200-491*
Color Developer Buffer		250-170-250	250-170-251	250-170-252
Color Dilution Buffer		250-170-275	250-170-276	250-170-277
Mehlich Buffer Solution		250-240-510	250-240-511	250-240-512
Phosphate Buffer, 0.05 M		250-200-520	250-200-521	250-200-522*
Phthalate Buffer		250-200-550	250-200-551	250-200-552
SMP Buffer Solution		250-240-740	250-240-741	250-240-742*

* Available in 10 and 20 L bottles

⊗ Glass Container
✓ Dangerous Goods*

Ⓔ Poison
Ⓒ Corrosive

Flammable
Oxidant

* as defined by :

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International Air Transport Association - Dangerous Goods Regulation, 40th Edition

DigiPREP CUBE - For COD Analysis

- Digest up to 25 COD samples in 16 mm diameter tubes
- Provides temperature stability of +/- 0.1°C
- Offers 3-predefined programs and 2 variable programs
 - COD DIN @ 148°C in 120 minutes
 - Fast COD @ 150°C in 15 minutes
 - COD EPA @ 150°C in 120 minutes



AccuSPEC Conductivity Standards

AccuSPEC Conductivity standards respond to the need for the accurate measurement of conductivity in laboratory, process, & environmental water samples. All standards are certified at 25°C.



- Numerous concentrations available
 - Reduce errors by selecting closest concentration
- Direct traceability to NIST
 - Product confidence
- Certificate of Analysis with actual conductivity, lot number, expiry date, and traceability to NIST, where applicable
 - Complete documentation for audit purposes

Standard (All standards certified at 25°C)	Description (µS)	Code	Catalog Number	
			500 ml	1 L
Conductivity Standards (KCl)	12.9		250-160-700	250-160-701
Conductivity Standards (KCl)	84		250-160-720	250-160-721
Conductivity Standards (KCl)	100		250-160-740	250-160-741
Conductivity Standards (KCl)	146.9		250-160-760	250-160-761
Conductivity Standards (KCl)	1000		250-160-780	250-160-781
Conductivity Standards (KCl)	1413		250-160-820	250-160-821
Conductivity Standards (KCl)	2767		250-160-840	250-160-841
Conductivity Standards (KCl)	10 000		250-160-860	250-160-861
Conductivity Standards (KCl)	12 856		250-160-880	250-160-881
Conductivity Standards (KCl)	111 342		250-160-900	250-160-901
Conductivity Standards with TDS	5		250-160-050	250-160-051
Conductivity Standards with TDS	10		250-160-070	250-160-071
Conductivity Standards with TDS	23.8		250-160-090	250-160-091
Conductivity Standards with TDS	46.7		250-160-110	250-160-111
Conductivity Standards with TDS	50		250-160-130	250-160-131
Conductivity Standards with TDS	70		250-160-150	250-160-151
Conductivity Standards with TDS	100		250-160-170	250-160-171
Conductivity Standards with TDS	200		250-160-190	250-160-191
Conductivity Standards with TDS	445		250-160-210	250-160-211
Conductivity Standards with TDS	500		250-160-230	250-160-231
Conductivity Standards with TDS	700		250-160-250	250-160-251
Conductivity Standards with TDS	1000		250-160-270	250-160-271
Conductivity Standards with TDS	2000		250-160-290	250-160-291
Conductivity Standards with TDS	2060		250-160-310	250-160-311
Conductivity Standards with TDS	3900		250-160-330	250-160-331
Conductivity Standards with TDS	5000		250-160-350	250-160-351
Conductivity Standards with TDS	7000		250-160-370	250-160-371
Conductivity Standards with TDS	10 000		250-160-390	250-160-391
Conductivity Standards with TDS	16 630		250-160-410	250-160-411
Conductivity Standards with TDS	20 000		250-160-430	250-160-431
Conductivity Standards with TDS	30 100		250-160-450	250-160-451
Conductivity Standards with TDS	50 000		250-160-470	250-160-471
Conductivity Standards with TDS	70 000		250-160-490	250-160-491
Conductivity Standards with TDS	100 000		250-160-510	250-160-511

⊗ Glass Container
✓ Dangerous Goods*

Ⓔ Poison
Ⓗ Corrosive

Ⓕ Flammable
Ⓖ Oxidant

* as defined by :

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* International Air Transport Association - Dangerous Goods Regulation, 40th Edition

AccuSPEC Standards & Reagents for Ion Selective Electrode Analysis

Ion Selective Electrode provide a quick and convenient method of analysis for many ionic species. Save on Standards and Reagents manufactured under our ISO Quality Programs.

- Manufactured and tested under ISO Certified Quality Programs
 - Consistency between product lots
- Direct equivalent to original manufacturers
 - Product confidence while saving money
- Complete list of products for most Ion Selective Electrodes
 - One source for all your solution needs, save time and money



Reagents	Description	Concentration	Code	Catalog Number			
				125 ml	500 ml	1 L	5 L
Ammonium Chloride	NH ₄ Cl	0.1 M		250-180-150	250-180-151	---	---
Ammonium Sulfate	(NH ₄) ₂ SO ₄	0.02 M		250-180-175	250-180-176	250-180-177	---
Buffer TISAB with CDTA				---	---	---	250-200-430*
Buffer TISAB II with CDTA				---	---	---	250-200-460*
Calcium Chloride	CaCl ₂	0.1 M		---	250-180-200	250-180-201	250-180-202
Electrode Cleaning solution			✓ ⑧	250-180-300	250-180-301	250-180-302	250-180-303
Electrode Storage Solution				250-180-325	250-180-326	250-180-327	250-180-328
Electrode Storage Solution (buffered)				250-180-350	250-180-351	250-180-352	250-180-353
Ionic Strength Adjustor (ISA) for Solid State ISE				250-180-400	250-180-401	---	---
Nitrate Interference Suppressor Solution				250-180-425	250-180-426	---	---
Sodium Chloride	NaCl	5 M		---	250-180-550	250-180-551	250-180-552*
Sodium Ionic Strength Adjustor			✓ ⑧	250-180-575	250-180-576	---	---
Sodium Nitrate	NaNO ₃	5 M		---	250-180-600	250-180-601	---

* Available in 10 and 20 L bottles

Maintenance Solutions	Code	Catalog Number	
		125 ml	500 ml
Ag/AgCl Reference Electrode Fill Solution		250-180-100	250-180-101
Ammonia Electrode Filling Solution		250-180-125	250-180-126
Combination Chloride Reference Internal Filling Solution		250-180-250	250-180-251
Double Junction Reference Electrode Inner Fill Solution		250-180-275	250-180-276
Double Junction Reference Electrode Outer Fill Solution		250-180-285	250-180-286
Potassium Chloride, KCl (Saturated)		---	250-180-450
Ross Reference Electrode Filling Solution		250-180-500	250-180-501
Single Junction Reference Internal Filling Solution		250-180-525	250-180-526

⊗ Glass Container
✓ Dangerous Goods*

⑥ Poison
⑧ Corrosive

③ Flammable
⑤ Oxidant

* as defined by :

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* International Air Transport Association - Dangerous Goods Regulation, 40th Edition

AccuSPEC Standards & Reagents for Ion Selective Electrode Analysis

Standards	Description	Concentration	Code	Catalog Number	
				125 ml	500 ml
Acetate	CH ₃ COO ⁻	1000 µg/ml		250-220-100	250-200-101
Ammonia-Nitrogen	NH ₃ ⁻ as N	1000 µg/ml		250-220-115	250-220-116
Ammonium	NH ₄ ⁺	1000 µg/ml		250-220-130	250-220-131
Barium	Ba ²⁺	1000 µg/ml		250-220-175	250-220-176
Bromate	BrO ₃ ⁻	1000 µg/ml		250-220-220	250-220-221
Bromide	Br ⁻	1000 µg/ml		250-220-235	250-220-236
Calcium	Ca ²⁺	1000 µg/ml		250-220-250	250-220-251
Chlorate	ClO ₃ ⁻	1000 µg/ml		250-220-355	250-220-356
Chloride	Cl ⁻	100 µg/ml		---	250-180-225
Chloride	Cl ⁻	1000 µg/ml		250-220-370	250-220-371
Chloride	Cl ⁻	10 000 µg/ml		---	250-180-235
Fluoride	F ⁻	100 µg/ml		---	250-180-375
Fluoride	F ⁻	1000 µg/ml		250-220-400	250-220-401
Formate	HCOO ⁻	1000 µg/ml		250-220-415	250-220-416
Lithium	Li ⁺	1000 µg/ml		250-220-445	250-220-446
Magnesium	Mg ²⁺	1000 µg/ml		250-220-460	250-220-461
Nitrate	NO ₃ ⁻	1000 µg/ml		250-220-505	250-220-506
Nitrate-Nitrogen	NO ₃ ⁻ as N	1000 µg/ml		250-220-520	250-220-521
Nitrite	NO ₂ ⁻	1000 µg/ml		250-220-535	250-220-536
Nitrite-Nitrogen	NO ₂ ⁻ as N	1000 µg/ml		250-220-550	250-220-551
Oxalate	C ₂ O ₄ ²⁻	1000 µg/ml		250-220-565	250-220-566
Perchlorate	ClO ₄ ⁻	1000 µg/ml		250-220-580	250-220-581
Phosphate	PO ₄ ³⁻	1000 µg/ml		250-220-595	250-220-596
Phosphate-Phosphorus	PO ₄ ³⁻ as P	1000 µg/ml		250-220-610	250-220-611
Potassium	K ⁺	1000 µg/ml		250-220-625	250-220-626
Sodium	Na ⁺	1000 µg/ml		250-220-640	250-220-641
Strontium	Sr ²⁺	1000 µg/ml		250-220-685	250-220-686
Sulfate	SO ₄ ²⁻	1000 µg/ml		250-220-700	250-220-701
Sulfate-Sulfur	SO ₄ ²⁻ as S	1000 µg/ml		250-200-715	250-220-716

⊗ Glass Container
✓ Dangerous Goods*

Ⓜ Poison
Ⓢ Corrosive

Ⓕ Flammable
Ⓞ Oxidant

* as defined by :

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* Canadian Transportation of Dangerous Goods Act and Regulations, Revision December 2000
* International Air Transport Association - Dangerous Goods Regulation, 40th Edition

AccuSPEC pH Buffers

- Color coded Buffers with flip-top cap for pH 4, 7, & 10
- Available in many sizes
- Certificate of Analysis with actual concentration, lot number, expiry date, and traceability to NIST, where applicable



AccuSPEC Standards & Reagents for Dairy Testing

Maximize productivity and reduce process costs using **AccuSPEC** prepared volumetric solutions for Dairy Products Testing. Prepared solutions are available for most common inorganic dairy product tests.



- Prepared following AOAC Methods, 15th Edition
 - Compliance with AOAC requirements
- Available in many sizes
 - Use only what is required. Less waste
 - Larger volumes available on special order
- Certificate of Analysis with actual concentration, lot number, expiry date, and traceability to NIST, where applicable

Buffers, Volumetric Reagents, & Titrants

Solution	Description	Concentration	Code	Catalog Number		
				500 ml	1 L	5 L
Acetonitrile	CH ₃ CN	50% v/v	✓ ③ ⊗	250-170-100	250-170-101	250-170-102***
Acid-Mercric Nitrate			✓ ⑧ ⊗	250-170-125	250-170-126	250-170-127***
Barium Borate-Hydroxide Buffer			✓ ⑧	250-170-150	250-170-151	---
Barium Hydroxide	Ba(OH) ₂	0.1 N		250-170-175	250-170-176	250-170-177
Borax Buffer		0.00996 M		250-200-340	250-200-341	250-200-342****
Boric Acid with Methyl Red-Methylene Blue		2% w/v		---	250-210-745	250-210-746****
Carbonate Buffer				---	250-200-490	250-200-491****
Chloride Standard		10 000 µg/ml		250-180-235**	---	---
Chloride Standard		20 000 µg/ml		250-180-245**	---	---
Color Developer Buffer				250-170-250	250-170-251	250-170-252
Color Dilution Buffer				250-170-275	250-170-276	250-170-277
Copper Sulfate Solution A		440.9 mg Cu/25ml	⊗	250-170-350	250-170-351	250-170-352***
Copper Sulfate Solution B		72.5 g/L	⊗	250-170-375	250-170-376	250-170-377***
Copper Sulfate	CuSO ₄	1%		250-170-325	250-170-326	250-170-327***
Ferric Chloride Solution	FeCl ₃		✓ ⑧ ⊗	250-170-400	250-170-401	250-170-402
Ferrous Sulfate Solution	FeSO ₄		⊗	250-170-425	250-170-426	250-170-427***
Hydrochloric Acid	HCl	25% v/v	✓ ⑧ ⊗	250-030-820	250-030-821	250-030-822
Hydrochloric Acid	HCl	33% v/v	✓ ⑧	250-030-850	250-030-851	250-030-852
Iodine	I ₂	0.100 M		250-170-450	250-170-451	250-170-452***
Lead Acetate Solution	(CH ₃ COO) ₂ Pb		✓ ⑥ ⊗	250-170-475	250-170-476	250-170-477
Magnesium Acetate	(CH ₃ COO) ₂ Mg	0.01g Mg/ml		250-170-500	250-170-501	250-170-502
Magnesium Acetate	(CH ₃ COO) ₂ Mg	40.1g Mg/ml		250-170-525	250-170-526	250-170-527
Mercuric Iodide	HgI ₂		✓ ⑥ ⊗	250-170-550	250-170-551	250-170-552***
n-Butanol	CH ₃ (CH ₂) ₂ CH ₂ OH	7.5% v/v	✓ ③ ⊗	250-170-200	250-170-201	250-170-202***
Phenolphthalein (Ethanol)		0.5%	✓ ③ ⊗	250-120-572*	250-120-573**	---
Phenolphthalein Stock Solution			✓ ③ ⊗	250-120-591*	---	---

* Available in 60 ml Bottles

** Available in 125ml Bottles

***Indicates 4L Glass Bottle

**** Available in 10 and 20 L bottles

⊗ Glass Container
✓ Dangerous Goods*

⑥ Poison
⑧ Corrosive

③ Flammable
⑤ Oxidant

* as defined by :

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* International Air Transport Association - Dangerous Goods Regulation, 40th Edition

USA
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Europe
Tel.: +33 (0)1 69 18 71 17
Fax: +33 (0)1 60 92 05 67

AccuSPEC Standards & Reagents for Dairy Testing

Solution	Description	Concentration	Code	Catalog Number		
				500 ml	1 L	5 L
Phenolphthalein-Tartrazine Solution			✓ ⑧ ⊗	250-120-601*	---	---
Phosphatase Catalyst Solution			⊗	250-170-576*	---	---
Phosphate Buffer**		0.05 M		250-200-520	250-200-521	250-200-522
Phosphotungstic Acid		5% w/v	✓ ⑧	250-055-100	250-055-101	250-055-102
Phosphotungstic Acid		20% w/v	✓ ⑧	250-055-200	250-055-201	250-055-202
Phthalate Buffer**			⊗	250-200-550	250-200-551	250-200-552***
Potassium Nitrate	KNO ₃	10% w/v		250-170-600	250-170-601	---
Potassium Permanganate****	KMnO ₄	5% w/v	⊗	250-170-625	250-170-626	250-170-627***
Reagent Alcohol		20% v/v	✓ ③	250-170-650	250-170-651	250-170-652
Sodium Hydroxide	NaOH	2% w/v	✓ ⑧	250-108-610	250-108-611	250-108-612
Sodium Hydroxide	NaOH	2.5 N	✓ ⑧	250-108-460	250-108-461	250-108-462
Tetrasodium-EDTA Tetracetate Solution	C ₁₀ H ₁₂ N ₂ O ₈ Na ₄			250-170-700	250-170-701	250-170-702
Tin Chloride Solution	SnCl ₂	40% w/v		250-170-725	---	---
Trichloroacetic Acid	CCl ₃ COOH	10% w/v	✓ ⑧ ⊗	250-070-100	250-070-101	250-070-102***
Trichloroacetic Acid	CCl ₃ COOH	15% w/v	✓ ⑧ ⊗	250-070-200	250-070-201	250-070-202***
Zinc Sulfate	ZnSO ₄	6% w/v		250-170-750	250-170-751	250-170-752

* Available in 60 ml Bottles

** Available in 10 and 20 L bottles

*** Indicates 4L Glass Bottle

**** Class A precursor requires special document. Contact customer service.

⊗ Glass Container
✓ Dangerous Goods*

⑥ Poison
⑧ Corrosive

③ Flammable
⑤ Oxidant

* as defined by :

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High Temperature Digestion System - DigiPREP HT

The DigiPREP HT is available in two models - a 40 tube (100 ml) or a 20 tube (250 ml) system. Ideal for digestion applications such as:

- Soil
- Plant
- Plastics
- Kjeldahl / TKN
- Compost
- Oils



"Slang is language which takes off its coat, spits on its hands and goes to work." -Carl Sandburg-

AccuSPEC Pulp & Paper Testing Solutions

Maximize productivity and reduce process costs using **AccuSPEC** prepared volumetric solutions for Pulp & Paper Process Testing. Prepared solutions are available for most common process tests. Custom solutions are also available.

- Prepared volumetric solutions for routine tests
 - Save valuable preparation time
- Certificate of Analysis with actual concentration, lot number, expiry date, stability and traceability to NIST, where applicable.
 - Traceability to a well recognized independent source (NIST) for audit purposes
- Larger volumes available on special order
- Manufactured and prepared under ISO Certified Programs
 - Consistency between product lots



Standards	Description	Concentration	Code	Catalog Number 5 L
Acetic Acid	CH ₃ COOH	20% v/v	✓ ⑧	250-000-552
Barium Chloride***	BaCl ₂	10% w/v		250-230-102
Barium Chloride***	BaCl ₂	12% w/v		250-230-127
Barium Chloride***	BaCl ₂	20% w/v		250-230-152
Hydrochloric Acid	HCl	0.5167 N	✓ ⑧	250-030-310
Hydrochloric Acid	HCl	0.773 N	✓ ⑧	250-030-370
Hydrochloric Acid	HCl	25% v/v	✓ ⑧	250-030-822
Hydrochloric Acid	HCl	6 N	✓ ⑧	250-030-552
Potassium Iodide***	KI	10% w/v	⊗	250-230-202*
Potassium Permanganate**(***)	KMnO ₄	0.1 N	⊗	250-230-227*
Silver Nitrate***	AgNO ₃	0.0171 N	⊗	250-230-275*
Silver Nitrate***	AgNO ₃	0.171 N	⊗	250-230-300*
Silver Nitrate***	AgNO ₃	0.25 N	⊗	250-230-327*
Sodium Hydroxide	NaOH	0.01 N	✓ ⑧	250-108-102
Sodium Hydroxide	NaOH	0.313 N	✓ ⑧	250-108-310
Sodium Thiosulfate***	Na ₂ S ₂ O ₃	0.1 N	⊗	250-230-352*
Sodium Thiosulfate***	Na ₂ S ₂ O ₃	0.2 N	⊗	250-230-377*
Sodium Thiosulfate***	Na ₂ S ₂ O ₃	1 N	⊗	250-230-402*
Sulfuric Acid	H ₂ SO ₄	0.255 N	✓ ⑧	250-060-220
Sulfuric Acid	H ₂ SO ₄	4 N	✓ ⑧	250-060-372

* Indicates 4L Glass Bottle

** Class A precursor requires special document. Contact customer service.

*** Available in 10 and 20 L bottles

⊗ Glass Container
✓ Dangerous Goods*

⑥ Poison
⑧ Corrosive

③ Flammable
⑤ Oxidant

* as defined by :

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AccuSPEC solutions for APHA Methods

- Prepared as per guidelines from "Standard Methods for the Examination of Water & Wastewater", 20th Edition
- Supplied with comprehensive Certificates of Analysis
- Manufactured and tested under ISO Certified Quality Programs



AccuSPEC Standards & Reagents for Soil Analysis

Soil Analysis requires a large set of prepared solutions for both analyte extraction and analysis. All solutions are prepared to comply with the recommendations of the Soil & Plant Analysis Council.



- Prepared as per guidelines from the "Handbook on Reference Methods for Soil Analysis", 1992 Edition
 - Compliance with the recommendations of the Soil & Plant Analysis Council
- Certificate of Analysis with actual concentration, lot number, expiry date, stability and traceability to NIST, where applicable
 - Complete documentation for audit purposes
- Available in many sizes
 - Flexibility - Buy only what is required. Save money with large volumes
 - Larger volumes available on special order

Solution	Description	Concentration	Code	Catalog Number		
				500 ml	1 L	5 L
AB-DTPA Extracting Reagent				---	---	250-240-100
AB-DTPA Mixed Reagent for Phosphorus			✓ ⑧ ⑩	250-240-110	250-240-111	250-240-112*
Acid Seed Reagent			✓ ⑧	250-240-120	250-240-121	250-240-122*
Adams-Evans Buffer Solution				---	---	250-240-130**
Ammonium Acetate Extraction Reagent Concentrate				---	---	250-240-140**
Ammonium Fluoride	NH ₄ F	1 N		250-240-150	250-240-151	250-240-152
Ammonium Fluoride-EDTA Stock Reagent				250-240-160	250-240-161	250-240-162
Ammonium Hydroxide (as NH ₃)	NH ₄ OH	3 N	✓ ⑧	250-100-250	250-100-251	250-100-252
Ammonium Molybdate Reagent			✓ ⑧ ⑩	250-240-170	250-240-171	250-240-172*
Antimony Sulfate Solution			✓ ⑧	250-240-180	250-240-181	250-240-182
APDC Butyl Acetate - Ethanol Reagent			✓ ③ ⑩	250-240-190	250-240-191	250-240-192*
Boron Standard in Extraction Reagent	B	100 µg/ml		250-240-200	250-240-201	250-240-202
Bray P1 Extracting Reagent Concentrate			✓ ⑧	250-240-210	250-240-211	250-240-212**
Buffer Masking Reagent			✓ ⑧	250-240-220	250-240-221	250-240-222
Buffer pH 4				250-204-001	250-204-002	250-204-003**
Buffer pH 4 Red				250-204-501	---	250-204-502
Buffer pH 7				250-207-001	250-207-002	250-207-003**
Buffer pH 7 Yellow				250-207-501	---	250-207-502
Cadmium Standard in Extraction Reagent	Cd	1000 µg/ml		250-170-225	250-170-226	250-170-227
Calcium Chloride	CaCl ₂	2.00 M		250-240-250	250-240-251	250-240-252
Calcium Chloride	CaCl ₂	0.01 M		250-240-230	250-240-231	250-240-232
Calcium Chloride	CaCl ₂	1 M		250-240-240	250-240-241	250-240-242
Calcium Chloride in Extraction Reagent (Mehlich#1)	Ca	1000 µg/ml	✓ ⑧	250-240-260	250-240-261	250-240-262
Calcium Chloride in Extraction Reagent (Morgan)	Ca	1000 µg/ml	✓ ⑧	250-240-270	250-240-271	250-240-272
Calcium Chloride in Extraction Reagent (Neutral)	Ca	1000 µg/ml	✓ ⑧	250-240-280	250-240-281	250-240-282
Calcium Chloride in Extraction Reagent (Water)	Ca	1000 µg/ml	✓ ⑧	250-240-290	250-240-291	250-240-292
Calcium-Magnesium Standard in Extraction Reagent	Ca-Mg		✓ ⑧	250-240-300	250-240-301	250-240-302
Chloride Standard (from Potassium Chloride)	Cl ⁻	1000 µg/ml		250-240-310	250-240-311	250-240-312
Chromotropic Acid Solution (CTA)			✓ ⑧	250-020-000	250-020-001	250-020-002

* Indicates 4 L glass bottle

** Available in 10 and 20 L bottles

⑩ Glass Container
✓ Dangerous Goods*

⑥ Poison
⑧ Corrosive

③ Flammable
⑤ Oxidant

* as defined by :

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AccuSPEC Standards & Reagents for Soil Analysis

Buffers, Volumetric Reagents, & Titrants

Solution	Description	Concentration	Code	Catalog Number		
				500 ml	1 L	5 L
Copper Standard in Extracting Reagent (DPTA)	Cu	1000 µg/ml		250-240-330	250-240-331	250-240-332
Copper Standard in Extracting Reagent (Mehlich-Bowling)	Cu	10 µg/ml	✓ ⑧	250-240-320	250-240-321	250-240-322
Copper-Zinc Standard in Extraction Reagent (Mehlich#3)	Cu-Zn	4 µg/ml each	✓ ⑧	250-240-340	250-240-341	250-240-342
Decontamination Solution (Aluminum Chloride)	Al ₂ Cl ₆	0.2% w/v	✓ ⑧	250-240-350	250-240-351	250-240-352
DTAP Extraction Reagent Concentrate				250-240-360	250-240-361	250-240-362**
DTPA Solution		0.005 M		250-240-370	250-240-371	250-240-372
Humic Matter Extracting Solution			✓ ③	---	250-240-380	250-240-381
Hydrochloric Acid	HCl	6 N	✓ ⑧	250-030-550	250-030-551	250-030-552
Hydrochloric Acid, Zinc-Tested	HCl	0.1 N	✓ ⑧	250-030-910	250-030-911	250-030-912
Iron Standard in Extraction Reagent (DPTA)	Fe	1000 µg/ml		250-240-390	250-240-391	250-240-392
Lanthanum Compensating Solution	La		✓ ⑧	250-240-400	250-240-401	---
Lithium Working Solution	Li	130 µg/ml		250-240-410	250-240-411	250-240-412
Magnesium Chloride Stock Solution	MgCl ₂	1.00 M		250-240-420	250-240-421	250-240-422
Magnesium Standard in Extracting Reagent (Mehlich#1)	Mg	1000 µg/ml	✓ ⑧	250-240-430	250-240-431	250-240-432
Magnesium Standard in Extracting Reagent (Morgan)	Mg	1000 µg/ml	✓ ⑧	250-240-440	250-240-441	250-240-442
Magnesium Standard in Extracting Reagent (Neutral)	Mg	1000 µg/ml	✓ ⑧	250-240-450	250-240-451	250-240-452
Magnesium Standard in Extracting Reagent (Water)	Mg	1000 µg/ml	✓ ⑧	250-240-460	250-240-461	250-240-462
Manganese Standard in Extracting Reagent (DPTA)	Mn	1000 µg/ml		250-240-480	250-240-481	250-240-482
Manganese Standard in Extracting Reagent (Mehlich#3)	Mn	20 µg/ml	✓ ⑧	250-240-470	250-240-471	250-240-472
Mehlich #1 Extracting Regent Concentrate			✓ ⑧	250-240-490	250-240-491	250-240-492
Mehlich #3 Final Extraction Reagent			✓ ⑧	250-240-500	250-240-501	250-240-502
Mehlich Buffer Solution				250-240-510	250-240-511	250-240-512
Mehlich-Bowling Extracting Reagent			✓ ⑧ ⊗	250-240-520	250-240-521	250-240-522*
Morgan Extraction Reagent			✓ ⑧	250-240-530	250-240-531	250-240-532
Nickel Standard in Extraction Reagent (DPTA)	Ni	1000 µg/ml		250-240-540	250-240-541	250-240-542
Nitrate-Nitrogen Extracting Reagent			⊗	250-240-560	250-240-561	250-240-562*
Nitrate-Nitrogen Standard (from Potassium Nitrate)	NO ₃ ⁻ as N	1000 µg/ml		250-240-550	250-240-551	250-240-552*
Nitrogen Standard in Extracting Reagent (Nitrate-N)		1000 µg/ml	⊗	250-240-570	250-240-571	250-240-572*
n-Phenylanthranilic Acid in Sodium Carbonate Solution			⊗	250-120-612	250-120-613	---
Olsen's Extraction Reagent Concentrate				250-240-580	250-240-581	250-240-582**
Olsen's Mixed Reagent			✓ ⑧ ⊗	250-240-590	250-240-591	250-240-592*
Phosphorus Standard in Extracting Reagent (Bray)	P	100 µg/ml	✓ ⑧	250-240-600	250-240-601	250-240-602
Phosphorus Standard in Extracting Reagent (Mehlich#1)	P	1000 µg/ml	✓ ⑧	250-240-620	250-240-621	250-240-622
Phosphorus Standard in Extracting Reagent (Mehlich#3)	P	200 µg/ml	✓ ⑧	250-240-610	250-240-611	250-240-612
Phosphorus Standard in Extracting Reagent (Morgan)	P	1000 µg/ml	✓ ⑧	250-240-630	250-240-631	250-240-632
Phosphorus Standard in Toluene	P	100 µg/ml		250-240-640	250-240-641	250-240-642
Potassium Chloride Stock Solution	KCl	0.25 M		250-240-660	250-240-661	250-240-662
Potassium Chloride	KCl	0.0100 M		250-240-650	250-240-651	250-240-652**
Potassium Dichromate Reagent	K ₂ Cr ₂ O ₇	0.267 N	⊗	250-240-670	250-240-671	250-240-672*

* Indicates 4 L glass bottle

** Available in 10 and 20 L bottles

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AccuSPEC Standards & Reagents for Soil Analysis

Solution	Description	Concentration	Code	Catalog Number		
				500 ml	1 L	5 L
Potassium Phosphate (Monobasic) Solution	KH ₂ PO ₄	0.01 M		250-240-680	250-240-681	250-240-682
Potassium Standard in Extracting Reagent (Mehlich#1)	K	1000 µg/ml	✓ ⑧	250-240-700	250-240-701	250-240-702
Potassium Standard in Extracting Reagent (Morgan)	K	1000 µg/ml	✓ ⑧	250-240-710	250-240-711	250-240-712
Potassium Standard in Extracting Reagent (Neutral)	K	1000 µg/ml		250-240-720	250-240-721	250-240-722
Potassium Standard in Extracting Reagent (Water)	K	1000 µg/ml		250-240-730	250-240-731	250-240-732
Potassium-Sodium Standard in Extracting Reagent	K-Na		✓ ⑧	250-240-690	250-240-691	250-240-692
SMP Buffer Solution				250-240-740	250-240-741	250-240-742**
Sodium Chloride Stock Solution		0.10 M		250-240-750	250-240-751	250-240-752**
Sodium Standard in Extraction Reagent (Mehlich#1)	Na	1000 µg/ml	✓ ⑧	250-240-760	250-240-761	250-240-762
Sodium Standard in Extraction Reagent (Neutral)	Na	1000 µg/ml		250-240-770	250-240-771	250-240-772
Sodium Standard in Extraction Reagent (Water)	Na	1000 µg/ml		250-240-780	250-240-781	250-240-782
Strontium Chloride Dilution Solution				250-240-790	250-240-791	250-240-792
Sulfur Standard (from Potassium Sulfate)	S	1000 µg/ml		250-240-800	250-240-801	250-240-802
Sulfuric-Molybdate Solution (Bray)			✓ ⑧ ⊗	250-240-810	250-240-811	250-240-812*
Sulfuric-Molybdate Solution (Mehlich#1)			✓ ⑧ ⊗	250-240-820	250-240-821	250-240-822*
Superfloc Solution		1% w/v		250-240-830	250-240-831	250-240-832
Triethanolamine (TEA) Solution		0.0275 M		250-240-840	250-240-841	250-240-842
Zinc Standard in Extraction Reagent (DTPA)	Zn	1000 µg/ml		250-240-850	250-240-851	250-240-852
Zinc Standard in Extraction Reagent (Mehlich#1)	Zn	1000 µg/ml	✓ ⑧	250-240-860	250-240-861	250-240-862

* Indicates 4 L glass bottle
** Available in 10 and 20 L bottles

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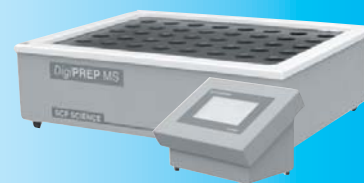
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DigiPREP MS - Soil Testing Solutions

An acid resistant digestion system for multiple digestion applications:

- Complete with programmable digital controller
- 48 sample tube capacity, ideal for EPA 3000 Series digestions
- Optional sample probe for accurate temperature control



"Fashion can be bought. Style one must possess." -Edna Woolman Chase-

AccuSPEC Volumetric Solutions

A full range of **AccuSPEC** titrants and indicators are available for Acid-Base, Oxidation-Reduction and Ionic Titrations.

- Titrants available in multiple concentrations
 - Flexibility in selecting the best concentration that fits your analytical requirement
- Available in sizes from 500 ml to 20 liters
 - Flexibility of volume and better economy with large volumes
- Certificate of Analysis with actual concentration, lot number, expiry date, stability and traceability to NIST, where applicable
 - Complete documentation for audit purposes



Titrants	Description	Concentration	Code	Catalog Number		
				500 ml	1 L	5 L
Ammonium Oxalate	$(\text{NH}_4)_2\text{C}_2\text{O}_4$	4% v/v		250-260-300	250-260-301	250-260-302
Barium Chloride	BaCl_2	0.1 N		250-300-300	250-300-301	250-300-302
Barium Chloride	BaCl_2	0.5 N		250-300-320	250-300-321	250-300-322
Barium Chloride	BaCl_2	10%		250-230-100	250-230-101	---
Barium Chloride	BaCl_2	11.8% w/v		250-300-340	250-300-341	250-300-342
Barium Chloride	BaCl_2	12% w/v		250-230-125	250-230-126	250-230-127**
Barium Chloride	BaCl_2	20% w/v		250-230-150	250-230-151	---
Ceric Ammonium Sulfate in H_2SO_4	$(\text{NH}_4)_4\text{Ce}(\text{SO}_4)_4$	0.1 N	✓ ⑧	250-300-420	250-300-421	250-300-422
EDTA Disodium Salt	$\text{C}_{10}\text{H}_{14}\text{N}_2\text{O}_8\text{Na}_2$	0.01 M		---	250-300-480	250-300-481**
EDTA Disodium Salt	$\text{C}_{10}\text{H}_{14}\text{N}_2\text{O}_8\text{Na}_2$	0.05 M		---	250-300-500	250-300-501
EDTA Disodium Salt	$\text{C}_{10}\text{H}_{14}\text{N}_2\text{O}_8\text{Na}_2$	0.1 M		---	250-300-520	250-300-521
EDTA Disodium Salt	$\text{C}_{10}\text{H}_{14}\text{N}_2\text{O}_8\text{Na}_2$	5% w/v	⊗	---	250-300-540	250-300-541
Ferric Chloride	FeCl_3	10% w/v	✓ ⑧ ⊗	250-300-600	250-300-601	250-300-602
Ferric Nitrate	$\text{Fe}(\text{NO}_3)_3$	10% w/v	✓ ⑤	250-300-620	250-300-621	250-300-622*
Ferrous Ammonium Sulfate	$\text{Fe}(\text{NH}_4)_2(\text{SO}_4)_2$	0.1 N	✓ ⊗	250-130-250	250-130-251	250-130-252*
Ferrous Ammonium Sulfate	$\text{Fe}(\text{NH}_4)_2(\text{SO}_4)_2$	1 N	✓ ⊗	250-130-400	250-130-401	250-130-402*
Iodine	I_2	0.01 N	⊗	250-300-780	250-300-781	250-300-782*
Iodine	I_2	0.02 N	⊗	250-300-800	250-300-801	250-300-802*
Iodine	I_2	0.025 N	⊗	250-300-820	250-300-821	250-300-822*
Iodine	I_2	0.0282 N	⊗	250-300-840	250-300-841	250-300-842*
Iodine	I_2	0.1 N	⊗	250-300-860	250-300-861	250-300-862*
Iodine	I_2	1 N	⊗	250-300-880	250-300-881	250-300-882*
Molybdovanadate Solution with Perchloric Acid			✓ ⑧	250-305-220	250-305-221	250-305-222
Potassium Bromate	KBrO_3	0.1 N	⊗	250-305-240	250-305-241	250-305-242*
Potassium Bromate-Bromide		0.1 N	⊗	250-305-260	250-305-261	250-305-262*
Potassium Bromate-Bromide		0.5 N	⊗	250-305-280	250-305-281	250-305-282*
Potassium Carbonate	K_2CO_3	0.1 N		---	250-305-300	250-305-301*
Potassium Chloride	KCl	0.1 N		250-305-320	250-305-321	250-305-322*
Potassium Chromate	K_2CrO_4	5% w/v	⊗	---	---	250-120-632*
Potassium Dichromate	$\text{K}_2\text{Cr}_2\text{O}_7$	0.025 N	⊗	250-305-340	250-305-341	250-305-342*
Potassium Dichromate	$\text{K}_2\text{Cr}_2\text{O}_7$	0.0417 N	⊗	250-305-360	250-305-361	250-305-362*
Potassium Dichromate	$\text{K}_2\text{Cr}_2\text{O}_7$	0.1 N	⊗	250-305-380	250-305-381	250-305-382*
Potassium Dichromate	$\text{K}_2\text{Cr}_2\text{O}_7$	0.2 N	⊗	250-305-400	250-305-401	250-305-402*
Potassium Dichromate	$\text{K}_2\text{Cr}_2\text{O}_7$	0.25 N	⊗	250-305-420	250-305-421	250-305-422*
Potassium Hydrogen Phthalate	$\text{HOCOC}_6\text{H}_4\text{COOK}$	0.005 N	⊗	250-305-440	250-305-441	250-305-442*
Potassium Hydroxide (Methanol)	KOH	0.1 N	✓ ③	---	250-104-550	250-104-551

* Indicates 4 L glass bottle

** Available in 10 and 20 L bottles

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AccuSPEC Volumetric Solutions

Titrants	Description	Concentration	Code	Catalog Number		
				500 ml	1 L	5 L
Potassium Iodate	KIO ₃	0.00564 N	⊗	250-305-460	250-305-461	250-305-462*
Potassium Iodate	KIO ₃	0.025 N	⊗	250-305-480	250-305-481	250-305-482*
Potassium Iodate	KIO ₃	0.05 N	⊗	250-305-500	250-305-501	250-305-502*
Potassium Iodate	KIO ₃	0.1 N	⊗	250-305-520	250-305-521	250-305-522*
Potassium Iodate	KIO ₃	0.125 N	⊗	250-305-540	250-305-541	250-305-542*
Potassium Iodate	KIO ₃	0.0125 N	⊗	250-305-560	250-305-561	250-305-562*
Potassium Iodide	KI	0.5% w/v	⊗	250-305-580	250-305-581	250-305-582*
Potassium Iodide	KI	2% w/v	⊗	250-305-600	250-305-601	250-305-602*
Potassium Iodide	KI	5% w/v	⊗	250-305-620	250-305-621	250-305-622*
Potassium Iodide	KI	15% w/v	⊗	250-305-640	250-305-641	250-305-642*
Potassium Iodide***	KI	10% w/v	⊗	250-230-200	250-230-201	250-230-202*
Potassium Iodide	KI	20% w/v	⊗	250-305-660	250-305-661	250-305-662*
Potassium Permanganate**	KMnO ₄	0.02 N	⊗	250-305-680	250-305-681	250-305-682*
Potassium Permanganate**	KMnO ₄	0.05 N	⊗	250-305-700	250-305-701	250-305-702*
Potassium Permanganate**	KMnO ₄	0.2 N	⊗	250-305-720	250-305-721	250-305-722*
Potassium Permanganate**	KMnO ₄	0.5 N	⊗	250-305-740	250-305-741	250-305-742*
Potassium Permanganate**	KMnO ₄	0.0891% w/v	⊗	250-305-760	250-305-761	250-305-762*
Potassium Permanganate**	KMnO ₄	0.63% w/v	⊗	250-305-780	250-305-781	250-305-782*
Potassium Permanganate**	KMnO ₄	4% w/v	⊗	250-305-800	250-305-801	250-305-802*
Potassium Permanganate**	KMnO ₄	0.1 N	⊗	250-230-225	250-230-226	250-230-227*
Potassium Sodium Tartrate	KNaC ₄ H ₄ O ₆	10% w/v		250-305-840	250-305-841	250-305-842
Potassium Sodium Tartrate	KNaC ₄ H ₄ O ₆	20% w/v		250-305-860	250-305-861	250-305-862
Potassium Sodium Tartrate (Rochelle Salt Soln.)	KNaC ₄ H ₄ O ₆	50% w/v		250-305-880	250-305-881	250-305-882
Silver Nitrate***	AgNO ₃	0.0141 N	⊗	250-310-100	250-310-101	250-310-102*
Silver Nitrate***	AgNO ₃	0.0192 N	⊗	250-310-120	250-310-121	250-310-122*
Silver Nitrate***	AgNO ₃	0.025 N	⊗	250-310-140	250-310-141	250-310-142*
Silver Nitrate***	AgNO ₃	0.0282	⊗	250-310-160	250-310-161	250-310-162*
Silver Nitrate***	AgNO ₃	0.05 N	⊗	250-310-180	250-310-181	250-310-182*
Silver Nitrate***	AgNO ₃	0.1 N	⊗	250-310-200	250-310-201	250-310-202*
Silver Nitrate***	AgNO ₃	0.141 N	⊗	250-310-220	250-310-221	250-310-222*
Silver Nitrate***	AgNO ₃	0.192 N	⊗	250-310-240	250-310-241	250-310-242*
Silver Nitrate***	AgNO ₃	0.280	⊗	250-310-260	250-310-261	250-310-262*
Silver Nitrate***	AgNO ₃	0.282	⊗	250-310-280	250-310-281	250-310-282*
Silver Nitrate***	AgNO ₃	0.5 N	⊗	250-310-300	250-310-301	250-310-302*
Silver Nitrate***	AgNO ₃	1 N	⊗	250-310-320	250-310-321	250-310-322*
Sodium Acetate	CH ₃ COONa	1 M		250-310-340	250-310-341	250-310-342
Sodium Acetate	CH ₃ COONa	20% w/v		250-310-360	250-310-361	250-310-362
Sodium Arsenite	NaAsO ₂	0.5% w/v		250-310-400	250-310-401	---
Sodium Carbonate***	Na ₂ CO ₃	0.02 N		250-310-420	250-310-421	250-310-422
Sodium Carbonate***	Na ₂ CO ₃	0.025 N		250-310-440	250-310-441	250-310-442
Sodium Carbonate***	Na ₂ CO ₃	0.0455 N		250-310-460	250-310-461	250-310-462
Sodium Carbonate***	Na ₂ CO ₃	0.05 N		250-310-480	250-310-481	250-310-482
Sodium Carbonate***	Na ₂ CO ₃	0.1 N		250-310-500	250-310-501	250-310-502
Sodium Carbonate***	Na ₂ CO ₃	0.2 N		250-310-520	250-310-521	250-310-522
Sodium Carbonate***	Na ₂ CO ₃	1 N		250-310-540	250-310-541	250-310-542
Sodium Carbonate***	Na ₂ CO ₃	5% w/v		250-310-560	250-310-561	250-310-562
Sodium Carbonate***	Na ₂ CO ₃	10% w/v		250-310-580	250-310-581	250-310-582
Sodium Chloride (Isotonic Saline)***	NaCl	0.9% w/v		---	---	250-310-600
Sodium Chloride***	NaCl	20% w/v		250-310-620	250-310-621	250-310-622
Sodium Chloride***	NaCl	24% w/v		250-310-640	250-310-641	250-310-642
Sodium Chloride***	NaCl	25% w/v		250-310-660	250-310-661	250-310-662
Sodium Chloride***	NaCl	30% w/v		250-310-680	250-310-681	250-310-682

* Indicates 4L Glass Bottle

** Class A precursor requires special document. Contact customer service.

*** Available in 10 and 20 L bottles

⊗ Glass Container
✓ Dangerous Goods*

Ⓔ Poison
Ⓗ Corrosive

Ⓕ Flammable
Ⓔ Oxidant

* as defined by :

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AccuSPEC Volumetric Solutions & Concentrates

Titrants	Description	Concentration	Code	Catalog Number		
				500 ml	1 L	5 L
Sodium Thiosulfate	Na ₂ S ₂ O ₃	0.01 N	⊗	250-310-700	250-310-701	250-310-702*
Sodium Thiosulfate	Na ₂ S ₂ O ₃	0.025 N	⊗	250-310-720	250-310-721	250-310-722*
Sodium Thiosulfate	Na ₂ S ₂ O ₃	0.0375 N	⊗	250-310-740	250-310-741	250-310-742*
Sodium Thiosulfate	Na ₂ S ₂ O ₃	0.0394 N	⊗	250-310-760	250-310-761	250-310-762*
Sodium Thiosulfate	Na ₂ S ₂ O ₃	0.1 N	⊗	250-310-350	250-230-351	250-230-352*
Sodium Thiosulfate	Na ₂ S ₂ O ₃	0.5 N	⊗	250-310-780	250-310-781	250-310-782*
Sodium Thiosulfate	Na ₂ S ₂ O ₃	2 N	⊗	250-310-800	250-310-801	250-310-802*
Water, Deionized, ASTM Type I	H ₂ O	18 Megohm/cm		---	---	250-310-820**
Water, HPLC Grade	H ₂ O		⊗	---	---	250-310-822*

* Indicates 4 L glass bottle

** Available in 10 and 20 L bottles

Volumetric Solutions - Concentrates	Description	Initial Volume	Final Concentration	Final Volume	Code	Catalog Number
Acetic Acid	CH ₃ COOH	100 ml	0.1 N	1 L		250-140-100
Acetic Acid	CH ₃ COOH	100 ml	0.5 N	1 L	✓ ⊗	250-140-120
Acetic Acid	CH ₃ COOH	100 ml	1 N	1 L	✓ ⊗	250-140-140
Ammonium Hydroxide (as NH ₃)	NH ₄ OH	100 ml	0.1 N	1 L		250-140-160
Ammonium Hydroxide (as NH ₃)	NH ₄ OH	125 ml	1 N	500 ml	✓ ⊗	250-140-180
Barium Chloride	BaCl ₂	100 ml	0.1 N	1 L		250-140-200
Barium Chloride	BaCl ₂	250 ml	0.5 N	1 L		250-140-220
EDTA Disodium Salt	C ₁₀ H ₁₄ N ₂ O ₈ Na ₂	100 ml	0.01 M	1 L		250-140-240
EDTA Disodium Salt	C ₁₀ H ₁₄ N ₂ O ₈ Na ₂	100 ml	0.05 M	500 ml		250-140-260
Hydrochloric Acid	HCl	100 ml	0.01 N	1 L	✓ ⊗	250-140-280
Hydrochloric Acid	HCl	100 ml	0.1 N	1 L	✓ ⊗	250-140-300
Hydrochloric Acid	HCl	100 ml	0.25 N	1 L	✓ ⊗	250-140-320
Hydrochloric Acid	HCl	100 ml	0.5 N	1 L	✓ ⊗	250-140-340
Hydrochloric Acid	HCl	100 ml	1 N	1 L	✓ ⊗	250-140-360
Nitric Acid	HNO ₃	100 ml	0.1 N	1 L	✓ ⊗	250-140-380
Nitric Acid	HNO ₃	100 ml	1 N	1 L	✓ ⊗	250-140-400
Potassium Bromate	KBrO ₃	100 ml	0.1 N	1 L	⊗	250-140-420
Potassium Bromate-Bromide		100 ml	0.1 N	1 L	⊗	250-140-440
Potassium Carbonate	K ₂ CO ₃	100 ml	0.1 N	1 L		250-140-460
Potassium Dichromate	K ₂ Cr ₂ O ₇	100 ml	0.1 N	1 L	⊗	250-140-480
Potassium Hydroxide	KOH	100 ml	0.1 N	1 L	✓ ⊗	250-140-500
Potassium Hydroxide	KOH	100 ml	0.5 N	1 L	✓ ⊗	250-140-520
Potassium Hydroxide	KOH	100 ml	1 N	1 L	✓ ⊗	250-140-540
Potassium Iodate	KIO ₃	100 ml	0.1 N	1 L	⊗	250-140-560
Potassium Iodate	KIO ₃	100 ml	0.125 N	1 L	⊗	250-140-580
Potassium Permanganate*	KMnO ₄	100 ml	0.02 N	1 L	⊗	250-140-600
Potassium Permanganate*	KMnO ₄	100 ml	0.1 N	1 L	⊗	250-140-620
Potassium Permanganate*	KMnO ₄	100 ml	0.2 N	1 L	⊗	250-140-640

* Class A precursor requires special document. Contact customer service.

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Ⓕ Flammable
Ⓖ Oxidant

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AccuSPEC Volumetric Concentrates

Concentrates	Description	Initial Volume	Final Concentration	Final Volume	Code	Catalog Number
Sodium Carbonate	Na ₂ CO ₃	100 ml	0.1 N	1 L		250-140-660
Sodium Chloride	NaCl	100 ml	0.1 N	1 L		250-140-680
Sodium Hydroxide	NaOH	100 ml	0.01 N	1 L	✓ ⑧	250-140-700
Sodium Hydroxide	NaOH	100 ml	0.02 N	1 L	✓ ⑧	250-140-720
Sodium Hydroxide	NaOH	100 ml	0.1 N	1 L	✓ ⑧	250-140-740
Sodium Hydroxide	NaOH	100 ml	0.2 N	1 L	✓ ⑧	250-140-760
Sodium Hydroxide	NaOH	100 ml	0.25 N	1 L	✓ ⑧	250-140-780
Sodium Hydroxide	NaOH	100 ml	0.5 N	1 L	✓ ⑧	250-140-800
Sodium Hydroxide	NaOH	100 ml	1 N	1 L	✓ ⑧	250-140-820
Sodium Thiosulfate	Na ₂ S ₂ O ₃	100 ml	0.01 N	1 L	⊗	250-140-840
Sodium Thiosulfate	Na ₂ S ₂ O ₃	100 ml	0.02308 N	1 L	⊗	250-140-860
Sodium Thiosulfate	Na ₂ S ₂ O ₃	100 ml	0.1 N	1 L	⊗	250-140-880
Sulfuric Acid	H ₂ SO ₄	100 ml	0.02 N	1 L	✓ ⑧	250-140-900
Sulfuric Acid	H ₂ SO ₄	100 ml	0.1 N	1 L	✓ ⑧	250-140-920
Sulfuric Acid	H ₂ SO ₄	100 ml	0.5 N	1 L	✓ ⑧	250-140-940
Sulfuric Acid	H ₂ SO ₄	100 ml	1 N	1 L	✓ ⊗	250-140-960
Sulfuric Acid	H ₂ SO ₄	100 ml	2 N	1 L	✓ ⊗	250-140-980

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AccuSPEC ISE Standards and Reagents

Standards, reagents, and filling solutions for most ion selective and pH electrodes.

- Manufactured and tested under an ISO Quality Program
- Direct equivalent to original manufacturers' products



AccuSPEC Indicators

Buffers, Volumetric
Reagents, & Titrants

Indicators	Description	Concentration	Code	Catalog Number			
				60 ml	125 ml	500 ml	1 L
1,10-Phenanthroline	C ₁₂ H ₈ N ₂	0.1%	⊗	250-120-520	250-120-521	250-120-522	250-120-523
Alizarin Red S		1%	⊗	250-120-100	250-120-101	250-120-102	250-120-103
Brilliant Green (Aqueous)		1%	⊗	250-120-110	250-120-111	250-120-112	250-120-113
Bromcresol Green		0.04%	⊗	250-120-120	250-120-121	250-120-122	250-120-123
Bromcresol Green		0.1%	⊗	250-120-130	250-120-131	250-120-132	250-120-133
Bromcresol Green - Methyl Red (Aqueous)			⊗	250-120-140	250-120-141	250-120-142	250-120-143
Bromcresol Green - Methyl Red (Isopropanol)			✓ ③ ⊗	250-120-150	250-120-151	250-120-152	250-120-153
Bromcresol Purple		0.04%	⊗	250-120-160	250-120-161	250-120-162	250-120-163
Bromophenol Blue		0.04%	⊗	250-120-170	250-120-171	250-120-172	250-120-173
Bromophenol Blue		0.1%	⊗	250-120-180	250-120-181	250-120-182	250-120-183
Bromophenol Blue		0.4%	⊗	250-120-190	250-120-191	250-120-192	250-120-193
Bromothymol Blue		0.04%	⊗	250-120-200	250-120-201	250-120-202	250-120-203
Calmagite Indicator (Aqueous)		0.10%	⊗	250-120-210	250-120-211	250-120-212	250-120-213
Chlorophenol Red (Aqueous)		0.04%	⊗	250-120-220	250-120-221	250-120-222	250-120-223
Congo Red		0.10%	⊗	250-120-230	250-120-231	250-120-232	250-120-233
m-Cresol Purple (Aqueous)		0.04%	⊗	250-120-250	250-120-251	250-120-252	250-120-253
m-Cresol Purple (Aqueous)		0.1%	⊗	250-120-260	250-120-261	250-120-262	250-120-263
Cresol Red		0.04%	⊗	250-120-240	250-120-241	250-120-242	250-120-243
Crystal Violet (or Gentian Violet) in Acetic Acid		0.1%	✓ ⑧ ⊗	250-120-270	250-120-271	250-120-272	250-120-273
Crystal Violet (or Gentian Violet) in Acetic Acid		1%	✓ ⑧ ⊗	250-120-280	250-120-281	250-120-282	250-120-283
Crystal Violet (or Gentian Violet) in Ethanol/Methanol		1%	✓ ③ ⊗	250-120-290	250-120-291	250-120-292	250-120-293
Crystal Violet (or Gentian Violet) in Ethanol/Methanol		2%	✓ ③ ⊗	250-120-310	250-120-311	250-120-312	250-120-313
Crystal Violet (or Gentian Violet) in Water		1%	⊗	250-120-300	250-120-301	250-120-302	250-120-303
Crystal Violet (or Gentian Violet) in Water		2%	⊗	250-120-320	250-120-321	250-120-322	250-120-323
Eosin Y Concentrate in Alcohol	NH ₄ Fe(SO ₄) ₂	1% w/v	✓ ③ ⊗	250-120-340	250-120-341	250-120-342	250-120-343
Eosin Y in Alcohol		0.25% w/v	✓ ③ ⊗	250-120-330	250-120-331	250-120-332	250-120-333
Eriochrome Black T in 2-Methoxyethanol		0.5% w/v	✓ ③ ⊗	250-120-350	250-120-351	250-120-352	250-120-353
Eriochrome Black T in Triethanolamine		1% w/v	⊗	250-120-360	250-120-361	250-120-362	250-120-363
Ferric Ammonium Sulfate		8% w/v	---	---	---	250-120-370	250-120-371
Ferroin Indicator		0.025 M	⊗	250-120-380	250-120-381	250-120-382	250-120-383
MBTH Indicator		0.05%	⊗	250-120-390	250-120-391	250-120-392	250-120-393
Methyl Orange		0.05%	⊗	250-120-400	250-120-401	250-120-402	250-120-403
Methyl Orange		0.1%	⊗	250-120-410	250-120-411	250-120-412	250-120-413
Methyl Orange		0.2%	⊗	250-120-420	250-120-421	250-120-422	250-120-423
Methyl Purple			⊗	250-120-430	250-120-431	250-120-432	250-120-433
Methyl Red		0.02%	⊗	250-120-440	250-120-441	250-120-442	250-120-443
Methyl Red		0.1%	⊗	250-120-450	250-120-451	250-12-452	250-120-453
Methyl Red		1%	⊗	250-120-460	250-120-461	250-120-462	250-120-463
Methyl Red-Methylene Blue			⊗	250-120-470	250-120-471	250-120-472	250-120-473
Methyl Violet		0.02%	⊗	250-120-480	250-120-481	250-120-482	250-120-483
Methylene Blue		0.05%	⊗	250-120-490	250-120-491	250-120-492	250-120-493
Methylene Blue		0.1%	⊗	250-120-500	250-120-501	250-120-502	250-120-503
Methylene Blue		1%	⊗	250-120-510	250-120-511	250-120-512	250-120-513
n-Phenylanthranilic Acid in Sodium Carbonate Solution			⊗	250-120-610	250-120-611	250-120-612	250-120-613
Phenol Red		0.02%	⊗	250-120-530	250-120-531	250-120-532	250-120-533
Phenol Red		0.04%	⊗	250-120-540	250-120-541	250-120-542	250-120-543

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AccuSPEC Indicators

Indicators	Description	Concentration	Code	Catalog Number			
				60 ml	125 ml	500 ml	1 L
Phenolphthalein (Aqueous)		0.5%	⊗	250-120-550	250-120-551	250-120-552	250-120-553
Phenolphthalein (Ethanol 1+1)		0.5%	✓ ③ ⊗	250-120-560	250-120-561	250-120-562	250-120-563
Phenolphthalein (Ethanol)		0.5%	✓ ③ ⊗	250-120-570	250-120-571	250-120-572	250-120-573
Phenolphthalein (Isopropanol)		1%	✓ ③ ⊗	250-120-580	250-120-581	250-120-582	250-120-583
Phenolphthalein Stock Solution			✓ ③ ⊗	250-120-590	---	250-120-591	---
Phenolphthalein-Tartrazine Solution			✓ ⑧ ⊗	250-120-600	---	250-120-601	---
Potassium Chromate	K ₂ CrO ₄	0.065% w/v	⊗	---	---	250-120-620	250-120-621
Potassium Chromate	K ₂ CrO ₄	5% w/v	⊗	---	---	250-120-630	250-120-631
Starch Indicator (perserved with Salicylic Acid)		0.5%	⊗	250-120-640	250-120-641	250-120-642	250-120-643
Starch Indicator (perserved with Salicylic Acid)		1%	⊗	250-120-650	250-120-651	250-120-652	250-120-653
Starch Indicator (perserved with Salicylic Acid)		2%	⊗	250-120-660	250-120-661	250-120-662	250-120-663
Sulfo Orange Indicator		0.04%	⊗	250-120-670	250-120-671	250-120-672	250-120-673
Thymol Blue (Aqueous)		0.04%	⊗	250-120-680	250-120-681	250-120-682	250-120-683
Thymol Blue (Aqueous)		0.4%	⊗	250-120-700	250-120-701	2050-120-702	250-120-703
Thymol Blue (Methanol)		0.08%	✓ ③ ⊗	250-120-690	250-120-691	250-120-692	250-120-693
Thymolphthalein		0.05%	⊗	250-120-710	250-120-711	250-120-712	250-120-713
Xylenol Orange (Alcoholic - 1 month shelf life)		0.1%	✓ ③ ⊗	250-120-730	250-120-731	250-120-732	---
Xylenol Orange (Aqueous - 1 month shelf life)		0.1%		250-120-720	250-120-721	250-120-722	---

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⑧ Corrosive

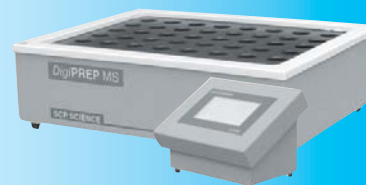
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Metals Digestions - DigiPREP MS

- Delivers uniform heating across the block
 - Provides even sample evaporation results
- Resists aggressive, corrosive attack
 - Teflon® Coated Graphite Block



AccuSPEC High Purity Compounds

High-purity compounds for scientists who prepare their own standards or require high purity materials for matrix matching. Products are tested for impurities and are supplied with comprehensive Certificates of Analysis.

- 99.99% - 99.9999% Pure
 - Tight control on the level of metallic impurities present in the material
- Certificate of Analysis included with each compound listing the individual impurities
 - Individual concentration of each impurity present.
- Available on a per gram basis (5 gram minimum)
 - Maximum flexibility



Buffers, Volumetric
Reagents, & Titrants

Compound	Code	Catalog Number	Compound	Code	Catalog Number
Aluminum Nitrate		140-140-001	Manganese Acetate		140-140-021
Aluminum Shot		140-140-002	Mercury		140-140-022
Ammonium Nitrate		140-140-067	Ammonium Molybdate		140-140-023
Antimony Oxide		140-140-003	Neodymium Oxide		140-140-056
Arsenic Oxide		140-140-004	Nickel Powder		140-140-024
Barium Carbonate		140-140-005	Nickel Nitrate		140-140-076
Beryllium Acetate Basic		140-140-006	Ammonium Hexafluoroniobate		140-140-055
Bismuth Shot		140-140-007	Ammonium Dihydrogen Orthophosphate		140-140-025
Ammonium Tetraborate		140-140-008	Ammonium Phosphate Dibasic		140-140-068
Cadmium Shot		140-140-009	Palladium Powder		140-140-026
Calcium Carbonate		140-140-010	Ammonium Hexachloroplatinate		140-140-027
Calcium Nitrate		140-140-069	Potassium Chloride		140-140-077
Cerium Nitrate		140-140-044	Potassium Nitrate		140-140-028
Cesium Chloride		140-140-070	Praseodymium Oxide		140-140-057
Cesium Nitrate		140-140-045	Rubidium Nitrate		140-140-058
Chromium Nitrate		140-140-011	Ruthenium Chloride		140-140-059
Chromium Shot		140-140-012	Samarium Oxide		140-140-060
Cobalt Carbonate		140-140-013	Scandium Oxide		140-140-029
Copper Powder		140-140-014	Selenium Pellets		140-140-030
Dysprosium Oxide		140-140-046	Ammonium Hexafluorosilicate		140-140-031
Erbium Oxide		140-140-047	Silver Nitrate		140-140-032
Europium Oxide		140-140-048	Sodium Carbonate		140-140-033
Gadolinium Oxide		140-140-049	Strontium Carbonate		140-140-034
Gallium Splatter		140-140-015	Ammonium Sulfate		140-140-035
Ammonium Hexafluorogermanate		140-140-050	Ammonium Hexafluorotantalate		140-140-061
Gold Splatter		140-140-016	Tellurium Metal		140-140-063
Hafnium Oxychloride		140-140-051	Terbium Oxide		140-140-062
Homium Oxide		140-140-052	Thallium Nitrate		140-140-036
Indium Metal		140-140-053	Thorium Nitrate		140-140-064
Iron Powder		140-140-017	Tin Shot		140-140-037
Lanthanum Chloride		140-140-071	Ammonium Hexafluorotitanate		140-140-038
Lanthanum Nitrate		140-140-072	Ammonium Tungstate		140-140-039
Lanthanum Oxide		140-140-054	Uranium Oxide		140-140-065
Lead Nitrate		140-140-018	Ammonium Metavanadate		140-140-040
Lithium Carbonate		140-140-019	Ytterbium Oxide		140-140-066
Lithium Chloride		140-140-073	Yttrium Oxide		140-140-041
Lithium Nitrate		140-140-074	Zinc Shot		140-140-042
Magnesium Granules		140-140-020	Zirconyl Nitrate		140-140-043
Magnesium Nitrate		140-140-075			

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Inorganic Compounds

Compounds are available in either 10 g or 500 g quantities depending on the product. Larger sizes are available on special request. Should you have a specific need, please verify with your representative.



- All products meet American Chemical Society (ACS) specifications where applicable.
 - Compliant with recognized norms
- Certificate of Analysis accompanies each product with complete test results.
 - Documentation available for audit purposes.
- Packaged in wide mouth bottles
 - Easy dispensing

Inorganic Compounds	Description	Grade	Code	Catalog Number	
				10 g	500 g
Acid Orange 12				250-150-100	---
Alizarin Red S				250-150-105	---
Aluminum Chloride	AlCl_3	ACS		---	250-150-110
Aluminum Potassium Sulfate	$\text{AlK}(\text{SO}_4)_2 \cdot 12 \text{H}_2\text{O}$	ACS		---	250-150-115
Aluminum Sulfate	$\text{Al}_2(\text{SO}_4)_3 \cdot 18 \text{H}_2\text{O}$	ACS		---	250-150-120
Ammonium Acetate	$\text{CH}_3\text{COONH}_4$	ACS		---	250-150-125
Ammonium Bicarbonate	NH_4HCO_3	Reagent		---	250-150-130
Ammonium Chloride	NH_4Cl	ACS		---	250-150-135
Ammonium Fluoride	NH_4F	ACS		---	250-150-140
Ammonium Molybdate Tetrahydrate	$(\text{NH}_4)_6\text{Mo}_7\text{O}_{24} \cdot 4 \text{H}_2\text{O}$	ACS		---	250-150-145
Ammonium Nitrate	NH_4NO_3	ACS	✓ ⑤	---	250-150-150
Ammonium Oxalate Monohydrate	$(\text{NH}_4)_2\text{C}_2\text{O}_4 \cdot \text{H}_2\text{O}$	ACS		---	250-150-155
Ammonium Phosphate Dibasic	$(\text{NH}_4)_2\text{HPO}_4$	ACS		---	250-150-160
Ammonium Sulfate	$(\text{NH}_4)_2\text{SO}_4$	ACS		---	250-150-165
Antimony Potassium Tartrate	$\text{K}(\text{SbO})\text{C}_4\text{H}_4\text{O}_6 \cdot 1/2 \text{H}_2\text{O}$	Lab	✓ ⑥	---	250-150-170
Ascorbic Acid (L)	$\text{C}_6\text{H}_8\text{O}_6$	ACS		---	250-150-175
Barium Chloride Dihydrate	$\text{BaCl}_2 \cdot 2 \text{H}_2\text{O}$	ACS		---	250-150-180
Barium Hydroxide Octahydrate	$\text{Ba}(\text{OH})_2 \cdot 8 \text{H}_2\text{O}$	ACS		---	250-150-185
Basic Fuchsin (Basic Red 9), Biological Stain				250-150-190	---
Borax (Sodium Borate Decahydrate)	$\text{Na}_2\text{B}_4\text{O}_7 \cdot 10 \text{H}_2\text{O}$	ACS		---	250-150-195
Boric Acid	H_3BO_3	ACS		---	250-150-200
Brilliant Green				250-150-205	---
Bromcresol Green, Na Salt				250-150-210	---
Bromcresol Purple, Na Salt				250-150-215	---
Bromphenol Blue, Na Salt				250-150-220	---
Bromthymol Blue, Na Salt				250-150-225	---
Calcium Acetate Monohydrate	$\text{Ca}(\text{CH}_3\text{COO})_2 \cdot \text{H}_2\text{O}$	ACS		---	250-150-230
Calcium Carbonate Primary Standard	CaCO_3	Lab		---	250-150-240
Calcium Carbonate	CaCO_3	ACS		---	250-150-235
Calcium Chloride Dihydrate	$\text{CaCl}_2 \cdot \text{H}_2\text{O}$	ACS		---	250-150-245
Calcium Sulfate Dihydrate	$\text{CaSO}_4 \cdot 2 \text{H}_2\text{O}$	ACS		---	250-150-250
Calmagie, 1-(4-hydroxy-4-methyl-2-phenylazo)-2-naphthol-4-sulfonic acid				250-150-255	---
CDTA Monohydrate		Lab		---	250-150-260
Certic Ammonium Sulfate	$(\text{NH}_4)_4\text{Ce}(\text{SO}_4)_4$	Lab		---	250-150-265
Chlorophenol Red				250-150-270	---

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Inorganic
CompoundsBuffers, Volumetric
Reagents, & Titrants

Inorganic Compounds	Description	Grade	Code	Catalog Number	
				10 g	500 g
Citric Acid Anhydrous	$\text{H}_3\text{C}_6\text{H}_5\text{O}_7$	ACS		---	250-150-275
Cobalt Chloride Hexahydrate	$\text{CoCl}_2 \cdot 6 \text{H}_2\text{O}$	ACS		---	250-150-280
Congo Red				250-150-285	---
m-Cresol Purple, Water Soluble				250-150-300	---
Cresol Red, Water Soluble				250-150-295	---
Crystal Violet (or Gentian Violet)				250-150-305	---
Cupric Sulfate Pentahydrate	$\text{CuSO}_4 \cdot 5 \text{H}_2\text{O}$	ACS		---	250-150-290
Diethylenetriaminepentaacetic Acid (DTPA)	$\text{C}_{14}\text{H}_{23}\text{N}_3\text{O}_{10}$	Lab		---	250-150-310
EDTA Disodium Salt Dihydrate	$\text{C}_{10}\text{H}_{14}\text{N}_2\text{O}_8\text{Na}_2 \cdot 2 \text{H}_2\text{O}$	ACS		---	250-150-315
EDTA Tetrasodium Salt Dihydrate	$\text{C}_{10}\text{H}_{12}\text{N}_2\text{O}_8\text{Na}_4 \cdot 2 \text{H}_2\text{O}$	Lab		---	250-150-320
Eosin Y Disodium Salt	$\text{C}_{20}\text{H}_6\text{Br}_4\text{Na}_2\text{O}_5$			250-150-325	---
Eriochrome Black T	$\text{C}_{20}\text{H}_{12}\text{N}_3\text{NaO}_7\text{S}$			250-150-330	---
Ferric Ammonium Sulfate Dodecahydrate	$\text{NH}_4\text{Fe}(\text{SO}_4)_2 \cdot 12 \text{H}_2\text{O}$	ACS		---	250-150-335
Ferric Chloride Hexahydrate	$\text{FeCl}_3 \cdot 6 \text{H}_2\text{O}$	ACS		---	250-150-340
Ferric Nitrate Nonahydrate	$\text{Fe}(\text{NO}_3)_3 \cdot 9 \text{H}_2\text{O}$	ACS	✓ ⑤	---	250-150-345
Ferrous Ammonium Sulfate Hexahydrate	$\text{Fe}(\text{NH}_4)_2(\text{SO}_4)_2 \cdot 6 \text{H}_2\text{O}$	ACS		---	250-150-350
Ferrous Sulfate Heptahydrate	$\text{FeSO}_4 \cdot 7 \text{H}_2\text{O}$	ACS		---	250-150-355
Hydroxylamine Hydrochloride	$\text{NH}_2\text{OH} \cdot \text{HCl}$	ACS	✓ ⑧	---	250-150-360
Iodine	I_2	ACS		---	250-150-365
Lead Acetate Trihydrate	$(\text{CH}_3\text{COO})_2\text{Pb} \cdot 3 \text{H}_2\text{O}$	ACS	✓ ⑥	---	250-150-370
Magnesium Acetate Tetrahydrate	$(\text{CH}_3\text{COO})_2\text{Mg} \cdot 4 \text{H}_2\text{O}$	ACS		---	250-150-385
Magnesium Carbonate Hydrate	$(\text{MgCO}_3)_4 \cdot \text{Mg}(\text{OH})_2 \cdot 5 \text{H}_2\text{O}$	Reagent		---	250-150-390
Magnesium Chloride Hexahydrate	$\text{MgCl}_2 \cdot 6 \text{H}_2\text{O}$	ACS		---	250-150-395
Magnesium Sulfate Heptahydrate	$\text{MgSO}_4 \cdot 7 \text{H}_2\text{O}$	ACS		---	250-150-400
Manganese Dioxide	MnO_2	Lab		250-150-405	---
Manganese Sulfate Monohydrate	$\text{MnSO}_4 \cdot \text{H}_2\text{O}$	ACS		---	250-150-410
Mercuric Chloride	HgCl_2	ACS	✓ ⑥	---	250-150-415
Mercuric Niktrate Monohydrate	$\text{Hg}(\text{NO}_3)_2 \cdot \text{H}_2\text{O}$	ACS	✓ ⑥	---	250-150-420
Mercuric Sulfate	HgSO_4	ACS	✓ ⑥	---	250-150-425
Methyl Orange				250-150-430	---
Methyl Red, Na Salt				250-150-435	---
Methyl Violet				250-150-440	---
Methylene Blue				250-150-445	---
Naphthol Green B (Acid Green 1)		ACS		250-150-450	---
Nitilotriacetic Acid, Disodium Salt		Lab		---	250-150-455
Oxalic Acid Dihydrate	$\text{C}_2\text{H}_2\text{O}_4 \cdot 2 \text{H}_2\text{O}$	ACS		---	250-150-460
Phenol Red, Na Salt		ACS		250-150-465	---
Phenolphthalein Powder				250-150-470	---
Phenylmercuric Acetate	$\text{C}_8\text{H}_8\text{HgO}_2$	Lab		---	250-150-475
Polysorbate-20 (or Tween-20)		Lab		250-150-480	---
Polyvinyl Alcohol Hydrolized	$(\text{C}_2\text{H}_4\text{O})_n$	Lab		---	250-150-485
Potassium Bromate	KBrO_3	ACS		---	250-150-495
Potassium Bromide	KBr	ACS		---	250-150-500
Potassium Carbonate Anhydrous	K_2CO_3	ACS		---	250-150-505
Potassium Chloride	KCl	ACS		---	250-150-510
Potassium Chloroplatinate Powder	K_2PtCl_6	Lab		250-150-515	---
Potassium Chromate	K_2CrO_4	ACS		---	250-150-520
Potassium Dichromate Primary Standard	$\text{K}_2\text{Cr}_2\text{O}_7$	Lab		---	250-150-525
Potassium Hydrogen Phthalate Primary Standard	$\text{HOCOC}_6\text{H}_4\text{COOK}$	Lab		---	250-150-535
Potassium Hydrogen Phthalate	$\text{HOCOC}_6\text{H}_4\text{COOK}$	ACS		---	250-150-530

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USA

Tel.: (800) 361-6820
Fax: (800) 253-5549

Canada / International

Tel.: (800) 361-6820 / (514) 457-0701
Fax: (800) 253-5549 / (514) 457-4499

Europe

Tel.: +33 (0)1 69 18 71 17
Fax: +33 (0)1 60 92 05 67

Inorganic Compounds

Inorganic Compounds	Description	Grade	Code	Catalog Number	
				10 g	500 g
Potassium Hydroxide	KOH	ACS	✓ ⑧	---	250-150-540
Potassium Iodate	KIO ₃	ACS		---	250-150-545
Potassium Iodide	KI	ACS		---	250-150-550
Potassium Nitrate	KNO ₃	ACS	✓ ⑤	---	250-150-555
Potassium Oxalate Monohydrate	(COOK) ₂ · H ₂ O	ACS		---	250-150-560
Potassium Permanganate*	KMnO ₄	ACS	✓ ⑤	---	250-150-565
Potassium Persulfate (Potassium Peroxydisulfate)	K ₂ S ₂ O ₈	ACS	✓ ⑤	---	250-150-570
Potassium Phosphate Dibasic Solution	K ₂ HPO ₄	ACS		---	250-150-575
Potassium Phosphate Monobasic Solution	KH ₂ PO ₄	ACS		---	250-150-580
Potassium Sodium Tartarate Tetrahydrate	KNaC ₄ H ₄ O ₈ · 4H ₂ O	ACS		---	250-150-585
Potassium Sulfate	K ₂ SO ₄	ACS		---	250-150-590
Potassium Tetraborate		Lab		---	250-150-490
Salicylic Acid	C ₇ H ₆ O ₃	ACS		---	250-150-600
Silver Chloride	AgCl	Reagent		---	250-150-605
Silver Nitrate	AgNO ₃	ACS		---	250-150-610
Silver Sulfate	Ag ₂ SO ₄	ACS	✓ ⑤	---	250-150-615
Sodium Acetate Anhydrous	CH ₃ COONa	ACS		---	250-150-620
Sodium Acetate Trihydrate	CH ₃ COONa · 3 H ₂ O	ACS		---	250-150-625
Sodium Arsenite Powder	NaAsO ₂	Reagent		---	250-150-630
Sodium Bicarbonate	NaHCO ₃	ACS	✓ ⑥	---	250-150-635
Sodium Borate Decahydrate (Tetraborate)	Na ₂ B ₄ O ₇ · 10 H ₂ O	ACS		---	250-150-640
Sodium Bromide	NaBr	ACS		---	250-150-645
Sodium Carbonate Anhydrous	Na ₂ CO ₃	ACS		---	250-150-650
Sodium Chloride	NaCl	ACS		---	250-150-790
Sodium Citrate Dihydrate	Na ₃ C ₆ H ₅ O ₇ · 2 H ₂ O	ACS		---	250-150-655
Sodium Fluoride	NaF	ACS		---	250-150-660
Sodium Glycerophosphate	Na ₂ C ₃ H ₅ (OH) ₂ PO ₄ · 5-1/2H ₂ O	NF	✓ ⑥	---	250-150-665
Sodium Hydroxide (Pellet)	NaOH	ACS		---	250-150-670
Sodium Metabisulfite Anhydrous	Na ₂ S ₂ O ₅	ACS	✓ ⑧	---	250-150-675
Sodium Metaborate	NaBO ₂	Lab		---	250-150-680
Sodium Nitrate	NaNO ₃	ACS		---	250-150-685
Sodium Phosphate Dibasic Anhydrous	Na ₂ HPO ₄	ACS	✓ ⑤	---	250-150-690
Sodium Phosphate Monobasic Monohydrate	NaH ₂ PO ₄ · H ₂ O	ACS		---	250-150-695
Sodium Sulfite Anhydrous	Na ₂ SO ₃	ACS		---	250-150-700
Sodium Thiosulfate Pentahydrate	Na ₂ S ₂ O ₃ · 5 H ₂ O	ACS		---	250-150-705
Sodium Tungstate Dihydrate	Na ₂ WO ₄ · 2 H ₂ O	ACS		---	250-150-710
Stannous Chloride Dihydrate	SnCl ₂ · 2 H ₂ O	ACS		---	250-150-715

* Class A precursor requires special document. Contact customer service.

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AccuSPEC Buffers

- Color coded buffers with flip-top caps
- Available for a wide range of pH levels
- Concentrates available for the common pH levels
- Each buffer includes a comprehensive Certificate of Analysis



Inorganic
Compounds

Inorganic Compounds	Description	Grade	Code	Catalog Number	
				10 g	500 g
Starch, Soluble		ACS		250-150-720	---
Strontium Chloride Hexahydrate	$\text{SrCl}_2 \cdot 6 \text{H}_2\text{O}$	ACS		---	250-150-725
Sulfamic Acid	$\text{NH}_2\text{SO}_3\text{H}$	ACS	✓ ⑧	---	250-150-730
Tartaric Acid	$\text{HOOC}(\text{CHOH})_2\text{COOH}$	ACS		---	250-150-785
Thymol Blue, Na Salt				250-150-735	---
Thymolphthalein				250-150-740	---
Trichloroacetic Acid	CCl_3COOH	ACS	✓ ⑧	---	250-150-745
Triton-X				---	250-150-750
Xylene Cyanole FF				250-150-755	---
Xylenol Orange, Na Salt				250-150-760	---
Zinc Acetate Dihydrate	$(\text{CH}_3\text{COO})_2\text{Zn} \cdot 2 \text{H}_2\text{O}$	ACS		---	250-150-765
Zinc Chloride	ZnCl_2	ACS	✓ ⑧	---	250-150-770
Zinc Sulfate Heptahydrate	$\text{ZnSO}_4 \cdot 7 \text{H}_2\text{O}$	ACS		---	250-150-775

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DigiPREP MS - Sample Digestion System

An acid resistant digestion system for multiple digestion applications:

- Choose from two styles of programmable digital controllers
- 48 sample tube capacity, ideal for EPA 3000 Series digestions
- Optional sample probe for accurate temperature control



Certificate of Analysis: Hydrochloric Acid

Buffers, Volumetric
Reagents & Titrants

Certificate of Analysis

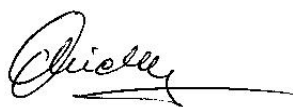
Catalogue numbers **250-030-400/250-030-401/250-030-402/
250-030-403/250-030-404**
Description **AccuSPEC – Hydrochloric Acid**
Nominal Concentration **1 N**
Lot Number **SC5027513**
Expiry Date **January 2007**

HCl 1 N

This volumetric standard solution analyzed by titration is traceable to a KHP primary standard.

Actual Concentration : **1.001 N**

Certified by :



Alketa Mixha, Chemist

Date of certification : February 3, 2005

This solution is guaranteed to be stable and accurate to within $\pm 0.5\%$ of the actual concentration up to the expiry date provided the solution is kept tightly capped and stored under normal laboratory conditions. For these solutions, 18 megohm/cm double deionized water, ACS-grade starting materials (where applicable) and Class A glassware are used. The equipment used (balances, pH-meters, Conductivity meters, etc...) are calibrated daily (internally) and bi-annually (externally) and traceable to NIST. The Material Safety Data Sheet and this Certificate of Analysis are available on our web site. (Ce certificat est également disponible en français)

Manufactured according to an ISO 9001:2000 Quality System and ISO 17025 (in-process)

SCP SCIENCE

21800 Clark Graham, Baie D'Urfé, QC, Canada H9X 4B6

Phone : (514) 457-0701 Fax : (514) 457-4499

Web Site: www.scpscience.com



Certificate of Analysis:
Conductivity Standard

Buffers, Volumetric
Reagents, & Titrants

Certificate of Analysis

Catalogue numbers : **250-160-720/250-160-721**
Description : **AccuSPEC – Conductivity Standard**
Nominal Value : **84 μ S**
Lot Number : **SC4309694**
Expiry Date : **August 2006**
(unopened bottle)

12 months after opening, up to unopened
expiry date

Date bottle opened

84 μ S

This conductivity standard is traceable to NIST Standard Reference Material : 3193

Measured Conductivity : **84.4 μ S at 25°C**

Certified by : 
Alketa Mixha, Chemist

Date of certification : **November 16, 2004**

This Conductivity Standard is guaranteed to be stable and accurate to within $\pm 1\%$ of the measured conductivity up to the unopened expiry date, if sealed, or 12 months after opening of the bottle, up to the unopened expiry date provided the solution is kept tightly capped and stored under normal laboratory conditions. For these solutions, 18 megohm/cm double deionized water, and Class A glassware are used. The Material Safety Data Sheet and this Certificate of Analysis are available on our web site.
(Ce certificat est également disponible en français)

Manufactured according to an ISO 9001:2000 Quality System and ISO 17025 (in-process)

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X-Ray Fluorescence Spectroscopy

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