

Reagecon

Soil



Agriculture Standards

Reagents and Standards for the Soil Industry



Soil Analysis Handbook of Reference Methods Soil and Plant Analysis Council, Inc.

Appendix A Standard Acids, Bases and Buffers

Chapter	Product No.	Description	Pack Size
Buffer Solutions - Stock Solutions	S20201	Analytical Volumetric Solution Sodium Hydroxide 0.2N, 0.2M	1L

Chapter	Product No.	Description	Pack Size
Normal Solution Preparation	SU20051	Analytical Volumetric Solution Sulphuric Acid 0.1N, 0.05M	1L
Normal Solution Preparation	SU20501	Analytical Volumetric Solution Sulphuric Acid 1.0N, 0.5M	1L
Normal Solution Preparation	SU21001	Analytical Volumetric Solution Sulphuric Acid 2.0N, 1.0M	1L
Normal Solution Preparation	SU22501	Analytical Volumetric Solution Sulphuric Acid 5.0N, 2.5M	1L
Normal Solution Preparation	SU25001	Analytical Volumetric Solution Sulphuric Acid 10.0N, 5.0M	1L
Normal Solution Preparation	H20101	Analytical Volumetric Solution Hydrochloric Acid 0.1N, 0.1M	1L
Normal Solution Preparation	H21001	Analytical Volumetric Solution Hydrochloric Acid 1.0N, 1.0M	1L
Normal Solution Preparation	H22001	Analytical Volumetric Solution Hydrochloric Acid 2.0N, 2.0M	1L
Normal Solution Preparation	H25001	Analytical Volumetric Solution Hydrochloric Acid 5N, 5M	1L
Normal Solution Preparation	NO20101	Analytical Volumetric Solution Nitric Acid 0.1N, 0.1M	1L
Normal Solution Preparation	NO21001	Analytical Volumetric Solution Nitric Acid 1.0N, 1.0M	1L
Normal Solution Preparation	NO22001	Analytical Volumetric Solution Nitric Acid 2.0N, 2.0M	1L
Normal Solution Preparation	P2010F	Analytical Volumetric Solution Perchloric Acid in Acetic Acid 0.1N, 0.1M	1L

Appendix B Standard and Standard Preparation

Chapter	Product No.	Description	Pack Size
Primary Standard Solution Preparation (source: Ward, 1978)†	H26001	Analytical Volumetric Solution Hydrochloric Acid 6.0N, 6.0M	1L
Primary Standard Solution Preparation (source: Ward, 1978)†	H21001	Analytical Volumetric Solution Hydrochloric Acid 1.0N, 1.0M	1L
Primary Standard Solution Preparation (source: Ward, 1978)†	H24001	Analytical Volumetric Solution Hydrochloric Acid 4N, 4M	1L
Primary Standard Solution Preparation (source: Ward, 1978)†	NO24001	Analytical Volumetric Solution Nitric Acid 4.0N, 4.0M	1L
Primary Standard Solution Preparation (source: Ward, 1978)†	H20501	Analytical Volumetric Solution Hydrochloric Acid 0.5N, 0.5M	1L

Reagecon's Soil Testing Standards

Product No.	Description	Pack Size
NHFED01	Ammonium Fluoride-EDTA Stock Reagent	1L
APDC01	APDC Butyl Acetate-Ethanol Reagent	1L
BSE01	Boron Standard in Extraction Reagent	1L
BRAY01	Bray P1 Extracting Reagent Concentrate	1L
BMASK01	Buffer Masking Reagent	1L
CACLSS01	Calcium Chloride Stock Solution	1L
CACL20011	Calcium Chloride, CaCl ₂ , 0.01M	1L
CTA01	Chromotopic Acid Solution (CTA)	1L
CUES01	Copper Standard in Extracting Reagent	1L
CUZN01	Copper-Zinc Standard	1L
DTPAE01	DTPA Extraction Reagent Concentrate	1L
DTPA00051	DTPA Solution, 0.005M	1L
H26001	Hydrochloric Acid, HCl, 6N	1L
FEE01	Iron Standard in Extraction Reagent	1L
LACS01	Lanthanum Compensating Solution	1L
LIWS01	Lithium Working Solution, 130.14ppm	1L
MGCLS01	Magnesium Chloride Stock Solution	1L
MGERS01	Magnesium Standard in Extracting Reagent	1L
ICCB07	Magnesium Standard in Water, Mg, 1000ppm	500ml
MNES01	Manganese Standard in Extracting Reagent	1L
MEHL101	Mehlich #1 Extracting Reagent	1L
MEHL301	Mehlich #3 Final Extraction Reagent	1L
MEHLBS01	Mehlich Buffer Solution	1L
MEHLBE01	Mehlich-Bowling Extracting Reagent	1L
MOREXT	Morgan Extraction Reagent	25L
SOILSP01	MS Soil Spike Standard	1L
SOILSPS01	MS Spike Sample Standard #2 (For Soil)	1L
NIES01	Nickel Standard in Extraction Reagent	1L
NNER01	Nitrate-Nitrogen Extracting Reagent	1L
NNS01	Nitrate-Nitrogen Standard	1L
NER01	Nitrogen Standard in Extracting Reagent	1L
OLSER01	Olsen's Extraction Reagent concentrate	1L
OLSMR01	Olsen's Mixed Reagent	1L
KCR267F	Potassium Dichromate Reagent, 0.267N	1L
SMPB01	SMP Buffer Solution	1L
NACLSS01	Sodium Chloride Stock Solution	1L
NASER01	Sodium Standard in Extraction Reagent	1L
SPISL01	Spiking Solution for Water and Soil	1L
SRCL201	Strontium Chloride Diluting Solution	1L
MEHLS01	Sulfuric-Molybdate Solution (Mehlich #1)	1L

Additional Products of Interest - Reagecon's Conductivity Standards

Product No.	Description	Pack Size
CSKC13	1.30µS/cm @ 25°C	250ml
CSKC136	1.30µS/cm @ 25°C	6x250ml
CSKC3	3µS/cm @ 25°C	250ml
CSKC5	5µS/cm @ 25°C	500ml
CSKC10	10µS/cm @ 25°C	500ml
CSKC20	20µS/cm @ 25°C	500ml
CSKC238	23.8µS/cm @ 25°C	500ml
CSKC25	25µS/cm @ 25°C	500ml
CSKC50	50µS/cm @ 25°C	500ml
CSKC84	84µS/cm @ 25°C	500ml
CSKC100	100µS/cm @ 25°C	500ml
CSKCS	147µS/cm @ 25°C	500ml
CSKC150	150µS/cm @ 25°C	500ml
CSKC185	185µS/cm @ 25°C	500ml
CSKC200	200µS/cm @ 25°C	500ml
CSKC250	250µS/cm @ 25°C	500ml
CSKC300	300µS/cm @ 25°C	500ml
CSKC400	400µS/cm @ 25°C	500ml
CSKC500	500µS/cm @ 25°C	500ml
CSKC718	718µS/cm @ 25°C	500ml
CSKC1000	1000µS/cm @ 25°C	500ml
CSKCL	1413µS/cm @ 25°C	500ml
CSKC2M	2000µS/cm @ 25°C	500ml
CSKC2500	2500µS/cm @ 25°C	500ml
CSKC3M	3000µS/cm @ 25°C	500ml
CSKC5M	5,000µS/cm @ 25°C	500ml
CSKC7M	7,000µS/cm @ 25°C	500ml
CSKC10M	10,000µS/cm @ 25°C	500ml
CSKC12880	12,880µS/cm @ 25°C	500ml
CSKC20M	20,000µS/cm @ 25°C	500ml
CSKC30M	30,000µS/cm @ 25°C	500ml
CSKC40M	40,000µS/cm @ 25°C	500ml
CSKC50M	50,000µS/cm @ 25°C	500ml
CSKC60M	60,000µS/cm @ 25°C	500ml
CSKC80M	80,000µS/cm @ 25°C	500ml
CSKC100M	100,000µS/cm @ 25°C	500ml
CSKC111800	111,800µS/cm @ 25°C	500ml
CSKC150M	150,000µS/cm @ 25°C	500ml
CSKC200M	200,000µS/cm @ 25°C	500ml
CSKC300M	300,000µS/cm @ 25°C	500ml
CSKC350M	350,000µS/cm @ 25°C	500ml
CSKC400M	400,000µS/cm @ 25°C	500ml
CSKC450M	450,000µS/cm @ 25°C	500ml
CSKC500M	500,000µS/cm @ 25°C	500ml

pH Buffers @ 20°C

Clear, Colourless pH Buffer Solutions. Tested at 20°C and certified by Reagecon's ISO 17025 Accredited Test Method. NIST traceable and presented in various pack sizes.

Description	Product No. 500ml	Product No. 1L	Product No. 5L
Buffer Solution pH 1.00 ± 0.02 @ 20°C	10105	1010	5010
Buffer Solution pH 2.00 ± 0.02 @ 20°C	10205	1020	5020
Buffer Solution pH 3.00 ± 0.02 @ 20°C	10305	1030	5030
Buffer Solution pH 4.00 ± 0.01 @ 20°C	10405	1040	5040
Buffer Solution pH 4.00 ± 0.01 @ 20°C (Phthalate free)	CC10405	CC1040	CC5040
Buffer Solution pH 5.00 ± 0.01 @ 20°C	10505	1050	5050
Buffer Solution pH 6.00 ± 0.01 @ 20°C	10605	1060	5060
Buffer Solution pH 6.80 ± 0.01 @ 20°C	10685	1068	5068
Buffer Solution pH 7.00 ± 0.01 @ 20°C	10705	1070	5070
Buffer Solution pH 8.00 ± 0.01 @ 20°C	10805	1080	5080
Buffer Solution pH 9.00 ± 0.01 @ 20°C	10905	1090	5090
Buffer Solution pH 10.00 ± 0.01 @ 20°C	11005	1100	5100
Buffer Solution pH 11.00 ± 0.05 @ 20°C	11105	1110	5110
Buffer Solution pH 12.00 ± 0.05 @ 20°C	11205	1120	5120
Buffer Solution pH 13.00 ± 0.05 @ 20°C	11305	1130	5130

pH Buffers @ 25°C

Clear, Colourless pH Buffer Solutions. Tested at 25°C and certified by Reagecon's ISO 17025 Accredited Test Method. NIST traceable and presented in various pack sizes.

Description	Product No. 500ml	Product No. 1L	Product No. 5L
Buffer Solution pH 1.00 ±0.02 @25°C	1010525	101025	501025
Buffer Solution pH 2.00 ±0.02 @25°C	1020525	102025	502025
Buffer Solution pH 3.00 ±0.02 @25°C	1030525	103025	503025
Buffer Solution pH 4.00 ±0.01 @25°C	1040525	104025	504025
Buffer Solution pH 4.00 ±0.01 @25°C (Phthalate Free)	CC1040525	CC104025	CC504025
Buffer Solution pH 5.00 ±0.01 @25°C	1050525	105025	505025
Buffer Solution pH 6.00 ±0.01 @25°C	1060525	106025	506025
Buffer Solution pH 6.80 ±0.01 @25°C	1068525	106825	506825
Buffer Solution pH 7.00 ±0.01 @25°C	1070525	107025	507025
Buffer Solution pH 8.00 ±0.01 @25°C	1080525	108025	508025
Buffer Solution pH 9.00 ±0.01 @25°C	1090525	109025	509025
Buffer Solution pH 10.00 ±0.01 @25°C	1100525	110025	510025
Buffer Solution pH 11.00 ±0.05 @25°C	1110525	111025	511025
Buffer Solution pH 12.00 ±0.05 @25°C	1120525	112025	512025
Buffer Solution pH 13.00 ±0.05 @25°C	1130525	113025	513025