



EXTRA

Reference Standards

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To calibrate your Analytical Instruments

- Large Selection
- Certified
- Cost-Effective



1 Sucrose (Brix) Standards

Reagecon

Certified stabilized Sucrose (Brix) Standards.

- ISO17025 accredited
- Uncertainty of measurement of 0.11% for all Brix values @ 20°C
- 12 month shelf life
- Provided in high quality HDPE 15 ml dropper bottles.

-21%

Brix	PK	Cat. No.	Price	Now
%			GBP	GBP
0	1	6.264 212	49.74	39.29
5	1	6.265 876	49.74	39.29
10	1	6.257 923	49.74	39.29
15	1	6.263 260	49.74	39.29
20	1	6.264 889	49.74	39.29
30	1	6.258 368	49.74	39.29
40	1	7.660 408	49.74	39.29
50	1	6.258 369	49.74	39.29
60	1	6.265 875	49.74	39.29

2 Refractive Index standards

Reagecon

Certified standards with values expressed in Refractive Index (R.I) units nD.

- ISO17025 accredited with an uncertainty of measurement up to ± 0.00014 nD units @ 20°C
- 12 month shelf life
- Aqueous Based
- Convenient high quality 15 ml HDPE dropper bottle.

-25%

Refractive Index at 20 °C	PK	Cat. No.	Price	Now
			GBP	GBP
1.34325nD	1	6.265 877	52.23	39.17
1.34782nD	1	7.658 877	52.23	39.17
1.37233nD	1	6.265 878	52.23	39.17
1.38115nD	1	6.258 375	52.23	39.17
1.39032nD	1	6.265 879	52.23	39.17
1.40978nD	1	6.265 142	52.23	39.17
1.42009nD	1	6.258 376	52.23	39.17
1.44193nD	1	6.265 880	52.23	39.17

Standards for Flame photometers



Reagecon

Suitable for calibration, control, IQ/OQ and method validation. Compatible with all Flame Photometry Instruments. Available as single element analytical standards (in ppm) or Multi-element standards (in mmol/l). NIST traceable. HDPE bottles of 500 ml.

-21%

Type	Measuring range	PK	Cat. No.	Price	Now
				GBP	GBP
Barium	1000 ppm	1	4.012 213	59.68	47.15
Barium	3000 ppm	1	6.210 154	59.68	47.15
Lithium	1 mmol/L	1	4.012 220	54.14	42.77
Lithium	1000 ppm	1	4.012 214	59.68	47.15
Potassium	1000 ppm	1	6.210 151	54.14	42.77
Sodium	1000 ppm	1	6.210 152	59.68	47.15
Calcium	1000 ppm	1	6.210 153	59.68	47.15
Sodium / Potassium	100 / 100 mmol/L	1	4.012 215	59.68	47.15
Sodium / Potassium	120 / 2 mmol/L	1	4.012 216	59.68	47.15
Sodium / Potassium	140 / 5 mmol/L	1	4.012 217	59.68	47.15
Sodium / Potassium	160 / 8 mmol/L	1	4.012 218	59.68	47.15
Sodium / Potassium	160 / 80 mmol/L	1	4.012 219	59.68	47.15
Rinse solution	-	1	6.286 180	26.55	20.97

Chemical Oxygen Demand (COD) Standards



Reagecon

These standards are ideal for use as Control Standards to verify that correct analysis for COD has taken place. Extensive range (10 to 60,000 ppm), NIST traceable, 2 years shelf-life. HDPE bottle of 500 ml.

-21%

Type	Measuring range mg / l	PK	Cat. No.	Price	Now
				GBP	GBP
COD10	10	1	4.012 235	72.15	57.00
COD20	20	1	6.286 181	72.15	57.00
COD50	50	1	6.234 998	64.52	50.97
COD100	100	1	6.234 999	72.15	57.00
COD200	200	1	6.206 516	64.52	50.97
COD500	500	1	6.234 552	64.52	50.97
COD600	600	1	6.206 517	64.52	50.97
COD1000	1000	1	6.232 202	64.52	50.99
COD1300	1300	1	6.206 518	64.52	50.97
COD1500	1500	1	6.238 379	64.52	50.97
COD2000	2000	1	6.286 182	72.15	57.00
COD3000	3000	1	6.286 183	72.15	57.00
COD5000	5000	1	4.012 236	72.15	57.00
COD6000	6000	1	6.286 184	72.15	57.00

Turbidity Standards



Reagecon

Highly accurate turbidity standards composed of suspended microspheres, suitable for Instrument calibration and control of all turbidity meters. Stable, shelf life of 2 years (from Date of Manufacturing). NIST traceable, US EPA approved and tested in compliance with ISO 7027. HDPE bottles of 100 ml.

Two ranges available:

- Ratio range for Ratio Turbidity Measuring instruments (measure of the scattered light from the sample at a 90° angle from the incident light, plus at additional angles (several detectors))
- Non Ratio for Non Ratio Turbidity Measuring instruments will measure the scattered light from the sample at a 90° angle from the incident light (one detector)

-21%

Type	Description	PK	Cat. No.	Price	Now
				GBP	GBP
CRS-0.0	Non Ratio 0.0 NTU	1	6.233 961	47.09	37.20
CRS-0.1	Non Ratio 0.1 NTU	1	6.075 473	47.09	37.20
CRS-20	Non Ratio 20 NTU	1	6.233 962	65.85	52.02
CRS-200	Non Ratio 200 NTU	1	4.012 096	107.56	84.97
CRS-800	Non Ratio 800 NTU	1	4.012 099	107.56	84.97
CRSR-0	Ratio 0.0 NTU	1	4.012 057	47.09	37.20
CRSR-0.1	Ratio 0.1 NTU	1	6.233 012	49.43	39.05
CRSR-15	Ratio 15 NTU	1	6.286 185	107.56	84.97
CRSR-100	Ratio 100 NTU	1	4.012 076	107.56	84.97

Melting point Standards



Reagecon

High Purity range compatible with all Melting Point Instruments. Available as Single Melting Point Standard or as a Set of 3 different Standards. Glass bottles of 1 g. Sets include 3 bottles of 1 g

-21%

Type	Description	PK	Cat. No.	Price	Now
				GBP	GBP
RMP048	Benzophenone +47 to +49 °C	1	6.260 428	18.10	14.30
RMP082	Vanillin +81 to +83 °C	1	6.286 189	18.10	14.30
RMP122	Benzoic Acid +121 to +123 °C	1	6.258 311	18.10	14.30
RMP132	Phenacetin +133 to +135 °C	1	6.286 190	18.10	14.30
RMP159	Salicylic Acid +158 to +160 °C	1	7.980 727	18.10	14.30
RMP236	Caffeine +235 to +237 °C	1	6.261 675	18.10	14.30
RMP284	Anthraquinone +283 to +286 °C	1	6.260 429	18.10	14.30
RMPSET1	Sulphanilamide, Caffeine, Vanillin	3	6.259 500	40.18	31.74
RMPSET2	Benzophenone, Benzoic Acid, Anthraquinone	3	6.259 501	40.18	31.74

Cryoscope standards



Reagecon

Compatible for use on all Cryoscopes compliant to International Reference Standard ISO5764/IDF108 for the determination of Freezing Point in milk. High accuracy, 1 year shelf-life (from Date of Manufacturing). Supplied in 250 and 100ml HDPE bottle and a convenient cap with collapsible filling nozzle

Volume Discount

Type	Measuring range	Capacity	PK	Cat. No.	Price
		ml			GBP
MTR01025	0.000 °C	250	1	4.012 189	12.49
MTR02025	-0.408 °C, 422 m°H	250	1	4.012 190	12.49
MTR020X	-0.408 °C, 422 m°H	100	1	6.286 186	10.17
MTR03025	-0.512 °C, 530 m°H	250	1	4.012 191	12.49
MTR030X	-0.512 °C, 530 m°H	100	1	6.286 187	10.17
MTR03525	-0.557 °C, 577 m°H	250	1	4.012 192	12.49
MTR04025	-0.600 °C, 621 m°H	250	1	4.012 193	12.49
MTR040x	-0.600 °C, 621 m°H	100	1	6.286 188	10.17

Osmolality standards



Reagecon

Osmolality Standards for Calibration and Control, compatible with all types of Osmometers. Extensive range: 50 to 3000 mOsmol/kg H₂O, ISO17025 certified. Values from 100 to 700 mOsmol/kg according to European Pharmacopoeia 2.2.35 and US Pharmacopoeia 785. 12 ampoules of 5 ml each.

-21%

Type	Description	PK	Cat. No.	Price	Now
				GBP	GBP
RE-OSM-50	50 mOsmol/kg H ₂ O	12	6.286 326	83.34	65.84
RE-OSM-100	100 mOsmol/kg H ₂ O	12	6.286 324	83.34	65.84
RE-OSM-200	200 mOsmol/kg H ₂ O	12	6.286 325	83.34	65.84
RE-OSM-290	290 mOsmol/kg H ₂ O	12	6.280 786	83.34	65.84
RE-OSM-300	300 mOsmol/kg H ₂ O	12	6.284 310	83.34	65.84
RE-OSM-400	400 mOsmol/kg H ₂ O	12	7.970 554	83.34	65.84
RE-OSM-500	500 mOsmol/kg H ₂ O	12	6.270 201	83.34	65.84
RE-OSM-600	600 mOsmol/kg H ₂ O	12	6.286 327	83.34	65.84
RE-OSM-700	700 mOsmol/kg H ₂ O	12	6.286 328	83.34	65.84
RE-OSM-850	850 mOsmol/kg H ₂ O	12	6.286 334	83.34	65.84
RE-OSM-900	900 mOsmol/kg H ₂ O	12	6.286 335	83.34	65.84
RE-OSM-1000	1000 mOsmol/kg H ₂ O	12	6.286 329	83.34	65.84
RE-OSM-1500	1500 mOsmol/kg H ₂ O	12	6.286 330	83.34	65.84
RE-OSM-2000	2000 mOsmol/kg H ₂ O	12	6.286 331	83.34	65.84
RE-OSM-2500	2500 mOsmol/kg H ₂ O	12	6.286 332	83.34	65.84
RE-OSM-3000	3000 mOsmol/kg H ₂ O	12	6.286 333	83.34	65.84

Pt-Co Reference Standards



Levibond

Platinum-Cobalt-Scale (HAZEN/APHA) standards for colorimetric verifications. Bottles of 500 ml, certified according to QS System, ISO 9001. Shelf life 12 months.

-10%

Description	PK	Cat. No.	Price	Now
			GBP	GBP
Pt-Co Colour 5	1	6.232 070	156.96	141.26
Pt-Co Colour 10	1	6.240 666	156.96	141.26
Pt-Co Colour 15	1	6.232 071	156.96	141.26
Pt-Co Colour 30	1	6.223 354	156.96	141.26
Pt-Co Colour 50	1	6.207 177	156.96	141.26
Pt-Co Colour 100	1	6.240 667	156.96	141.26

LABORTOPS



EXTRA

Reference Standards

Certified reference materials for qualifying spectrophotometer



9.190 980

To maintain constant good measurement results, a regular review of the accuracy of the spectrophotometer is required. The certified reference materials (calibration standards) of the DIN EN ISO 17025 accredited Hellma Analytics calibration laboratory are traceable to the primary standards of NIST (National Institute of Standards and Technology) and meet the requirements of the major pharmacopoeias (e.g. EP, DAB, USP).

Your benefits:

- High quality of the measurement results
- International comparability of measurement results
- Meeting the requirements of the major pharmacopoeias (EP, DAB, USP)
- Results traceable to NIST primary standards
- 30 years warranty on the reference materials

Scope of delivery:

- Certified reference materials (Calibration Standards) in quality storage box
- DAKKS Calibration Certificate (DIN 17025)
- Handling guidelines

Glass Filters 666-S000: Complete sets for testing spectrophotometers. Photometric accuracy and wavelength accuracy in the visible spectral region. (VIS area)

Liquid Filters 667.033-UV: Complete sets for testing spectrophotometers according to European Pharmacopoeia, wavelength accuracy, photometric accuracy, stray light behaviour, resolution. (UV area)

-5%

Type	Capacity	Material	Wave-length nm	PK	Cat. No.	Price	Now
						GBP	GBP
Glass Filters 666-S000	666-F1	Holmium Oxide Glass Filter	279, 361, 453, 536, 638	1	9.190 973	944.40	868.68
	666-F2	Neutral Density Glass Filter NG 11	440; 465; 546.1; 590; 635				
	666-F3	Neutral Density Glass Filter NG 5	440; 465; 546.1; 590; 635				
	666-F4	Neutral Density Glass Filter NG 4	440; 465; 546.1; 590; 635				
	666-F0	Empty Filter Mount					
Liquid Filters 667.033-UV	667.100-UV	Potassium Chloride + blank	198, 200 (zertifiziert)	1	9.190 980	2,706.93	2,571.58
	667.200-UV	Toluene in Hexane + blank	266, 269				
	667.305-UV	Potassium Dichromate in HClO ₄ + blank	235, 257, 313, 350, 430				
	667-UV5	Holmium Perchlorate in Perchloric Acid	241.15; 287.15; 361.5; 536.3				

Filters also available individually.

Single filter for check of the wavelength accuracy

-5%

Type	Description	Wave-length nm	PK	Cat. No.	Price	Now
					GBP	GBP
667-UV5	Liquid filter UV5, Holmium oxide in Perchloric acid	240 - 650	1	6.227 666	410.40	389.88
667-UV45	Liquid filter UV45, Holmium and Didymium in Perchloric Acid	240 - 870	1	6.286 793	500.40	475.38
666-F1	Glass filter F1, Holmium oxide	279 - 638	1	6.201 067	216.00	205.20
666-F7A	Glass filter F7, Didymium	270 - 340	1	7.612 486	306.00	291.56