

Reagecon

Physical & Chemical Standards Compendium

Analyst Qualification Sets



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Analyst Qualification Sets

Summary of Features & Benefits:

Commercial Benefits

- Proof of competence for individual analysts
- Extensive range of test materials available
- More cost effective than Laboratory based Proficiency Schemes
- Enhanced audit compliance
- Ready to Use

Technical Benefits

- Uncertainty of measurement clearly defined
- NIST Traceable where applicable
- Consistency of product - Independent, Traceable, Certified
- Certificates of Analysis and Safety Data Sheets available online

Traditionally laboratories have used Proficiency Schemes to provide evidence of their competence. Now with tightening audit requirements auditors from compliance and accreditation bodies are increasingly asking for evidence that each analyst in a laboratory is competent to carry out individual analytical tests. Proficiency Schemes are not a cost effective way of meeting this requirement and method witnessing or working with known samples are of limited value.

Reagecon now provides a new approach to proving analyst competency for a range of common laboratory tests. We will provide a set of unknown samples (detailed below) with password protected, online access to our ISO 17025 accredited test results of the samples. This allows Laboratory Managers to provide their analysts with "blind" samples and to cost effectively assess the competency of each individual analyst on a specific test. The assurance provided by the use of blind samples and independent ISO 17025 accredited testing in turn allows the Laboratory Manager to meet all external auditors' "proof of competency" requirements.

The unknown samples in the Reagecon range are prepared gravimetrically on a weight/weight basis from high purity raw materials. Both solute and solvent are weighed on a balance calibrated by Reagecon engineers using OIML traceable weights. Reagecon holds ISO 17025 accreditation for calibration of laboratory balances (INAB Ref:265C). The resulting Balance Certificate of Calibration is issued in accordance with the requirements of ISO/IEC 17025.



Test Materials (choose any six to make a set)

Product No.	Description	Concentration	Pack Size
AQSPH001	Low Range pH @ 20°C	pH range 1 to 5	250ml
AQSPH002	Medium Range pH @ 20°C	pH range 5.1 to 8	250ml
AQSPH003	High Range pH @ 20°C	pH range 8.1 to 11	250ml
AQSPH004	Low Range pH @ 25°C	pH range 1 to 5	250ml
AQSPH005	Medium Range pH @ 25°C	pH range 5.1 to 8	250ml
AQSPH006	High Range pH @ 25°C	pH range 8.1 to 11	250ml
AQSCLO01	Chloride Content Low	Chloride Range 0.01M to 0.49M	250ml
AQSCLO02	Chloride Content Medium	Chloride Range 0.5M to 1.9M	250ml
AQSCLO03	Chloride Content High	Chloride Range 2.0M to 4.0M	250ml
AQSA001	Acid Content Low	Acid Range 0.025M to 0.5M	250ml
AQSA002	Acid Content Medium	Acid Range 1.0M to 2.9M	250ml
AQSA003	Acid Content High	Acid Range 3.0M to 10M	250ml
AQSB001	Base Content Low	Base Range 0.05M to 0.99M	250ml
AQSB002	Base Content Medium	Base Range 1.0M to 3.0M	250ml
AQSB003	Base Content High	Base Range 3.0M to 10M	250ml
AQSCON001	Conductivity Ultra Low	Conductivity Range 1.3µS/cm to 50µS/cm	250ml
AQSCON002	Conductivity Low	Conductivity Range 80µS/cm to 1,000µS/cm	250ml
AQSCON003	Conductivity Medium	Conductivity Range 1,100µS/cm to 10,000µS/cm	250ml
AQSCON004	Conductivity High	Conductivity Range 100,000µS/cm to 500,000µS/cm	250ml
AQSDEN001	Density @ 20°C Low	Density Range 0.7g/ml to 0.95g/ml	250ml
AQSDEN002	Density @ 20°C High	Density Range 1.1g/ml to 2.8g/ml	250ml
AQSBRIX001	Brix Low	Sucrose (Brix) Range 5% to 19%	15ml
AQSBRIX002	Brix Medium	Sucrose (Brix) Range 20% to 34%	15ml
AQSBRIX003	Brix High	Sucrose (Brix) Range 35% to 60%	15ml
AQSOSM001	Osmolality Low	Osmolality Range 50mOsm/kg to 350mOsm/kg	5ml
AQSOSM002	Osmolality Medium	Osmolality Range 351mOsm/kg to 999mOsm/kg	5ml
AQSOSM003	Osmolality High	Osmolality Range 1,000mOsm/kg to 3,000mOsm/kg	5ml
AQSTOC001	TOC Ultra Low	TOC Range 0.5ppm to 10ppm	35ml
AQSTOC002	TOC Low	TOC Range 11ppm to 100ppm	35ml
AQSTOC003	TOC Medium	TOC Range 101ppm to 500ppm	35ml
AQSMP001	Melting Point	Melting point Range 40°C to 240°C	1g
AQSICP001	ICP - Multi-Element (7 Elements)	Concentration Range 1ppm to 1000ppm	100ml
AQSICP002	ICP - Multi-Element (19 Elements)	Concentration Range 1ppm to 1000ppm	100ml