



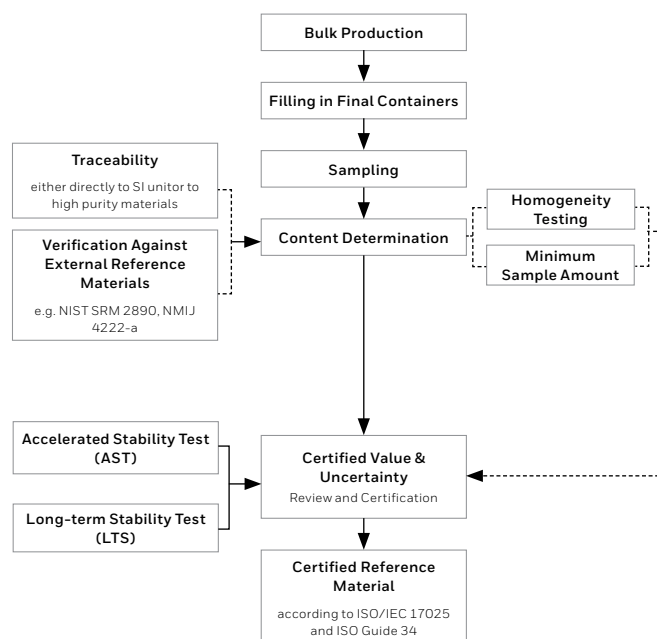
HYDRANAL™ CRM Water Standards for Karl Fischer Titration

Honeywell Fluka™ is pleased to present a new generation of Hydranal Certified Reference Material (CRM) Water Standards. These CRMs are produced and certified under ISO Guide 34 in combination with ISO/IEC 17025, using volumetric or coulometric Karl Fischer Titration. The products are supplied with a printed certificate containing a certified value, comprehensive documentation, proper uncertainty calculation, lot-specific values, expiration dates, and storage information.

Karl Fischer Titration is the most widely used method for measuring water content in products and substances. Today, highly accurate measurements are a requirement for many end users. This change, which is driven by regulatory authorities, is forcing many laboratories to acquire ISO/IEC 17025 accreditation. To help laboratories meet this requirement and obtain highly-accurate measurements and traceability in their results, lab managers can now turn to Honeywell's new product line of Hydranal CRMs.

Hydranal CRMs serve as a reference point. They are traceable to high-purity materials of well-established purity and/or SI units. Additionally they are verified against internationally accepted standards from national metrological institutes such as NIST (National Institute of Standards & Technology, USA) or NMIJ (National Metrology Institute of Japan). In addition to traceability to accepted references, Hydranal CRMs have a well-defined mass fraction and highly accurate measurement of uncertainty which can be found in the Certificate of Analysis (CoA).

Hydranal CRMs are tested under ISO/IEC 17025 and comply with ISO Guide 34 requirements.



General flowchart for the certification process of Hydranal™ CRM

PRODUCT NUMBER	PRODUCT NAME	DESCRIPTION	PACKAGING
34424	HYDRANAL-CRM Sodium Tartrate Dihydrate	Solid CRM standard, water content ~ 15.66%	10 g
34425	HYDRANAL-CRM Water Standard 10.0	Liquid CRM standard, water content 10.0 mg/g = 1.0%	10 x 8 mL
34426	HYDRANAL-CRM Water Standard 1.0	Liquid CRM standard, water content 1.0 mg/g = 0.1%	10 x 4 mL

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