

Deutsche Akkreditierungsstelle GmbH
German Accreditation Body

Annex to the Accreditation Certificate D-K-15043-01
according to DIN EN ISO/IEC 17025:2005

Period of validity: 16.08.2010 to 15.08.2015

Holder of certificate:

Calibraciones Industriales S. A.
Barros Arana Nr. 73
110-0133 Iquique
Chile

Head: Jeny Vargas Angel
Deputie: Leopoldo Antío González

Accredited since: 16.08.2010

Calibration in the fields:

Liquid flow rate

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Permanent Laboratory

Measured quantity / Calibration item	Range	Measurement conditions / Procedure	Best measurement capability ¹⁾	Remarks
Liquid mass flow-rate / mass flowmeters and mass totalizing flowmeters	0,1 to 2 kg/h 10 to 250 kg/h	Gravimetric calibration	0,15 %	Water temperature 15 to 35 °C Diverter start-stop
Mass flow-rate / mass flowmeters	0,0006 to 17 t/h	Gravimetric calibration	0,15 %	
Water volume / Volumetric totalizers	0,1 to 2 L	Gravimetric calibration	0,15 %	Water temperature 15 to 35 °C Start-stop with On-Off valve
Liquid mass flow-rate / mass flowmeters and mass totalizing flowmeters	8 to 300 t/h	Gravimetric calibration	0,15 %	Water temperature 15 to 35 °C Diverter start-stop
Water volume / volumetric accumulating flowmeters	0,0006 to 300 m ³ /h	Volumetric calibration	0,25 %	Water temperature 15 to 35 °C Standard flowmeters

¹⁾ The best measurement capabilities are stated according to EA-4/02. These are expanded uncertainties of measurement with a coverage probability of 95% and have a coverage factor of $k = 2$ unless stated otherwise. Uncertainties without unit are relative uncertainties referring to the measurement value unless stated otherwise.