



# CERTIFICATE OF ACCREDITATION

*This is to attest that*

## **AGQ CHILE S.A.**

LOS INDUSTRIALES 697, HUECHURABA  
SANTIAGO DE CHILE 8590829, REPUBLIC OF CHILE

Inspection Agency AA-791  
Type A

has met the requirements of AC98, *IAS Accreditation Criteria for Inspection Agencies*, and has demonstrated compliance with ISO/IEC Standard 17020:2012, *Conformity assessment - Requirements for the operation of various types of bodies performing inspection*. This organization is accredited to provide the services specified in the scope of accreditation maintained on the IAS website ([www.iasonline.org](http://www.iasonline.org)).

*This certificate is valid up to January 1, 2021.*



*This accreditation certificate supersedes any IAS accreditation bearing an earlier effective date. The certificate becomes invalid upon suspension, cancellation or revocation of accreditation. See [www.iasonline.org](http://www.iasonline.org) for current accreditation information, or contact IAS at 562-364-8201.*



A handwritten signature in black ink, reading "Raj Nathan", positioned above a horizontal line.

**Raj Nathan**  
President



## SCOPE OF ACCREDITATION

IAS Accreditation Number	AA-791
Company Name	AGQ CHILE S.A.
Address	Los Industriales 697, Huechuraba Santiago de Chile 8590829, Republic of Chile
Contact Name	Jose Luis Ganivet Mateo, Gerente General
Telephone	+56 2 7544000
Effective Date of Scope	December 9, 2019
Type of Inspection Body	Type A
Accreditation Standard	ISO/IEC 17020:2012

Field and Range of Inspection	Regulations, Standards, Specifications and Inspection Procedures
Samples collection of groundwater	PICH-210 (Rev. 4) Groundwater samples collection based on NCh411/11:1998 and NCh411/3:2014 in Groundwater
Samples collection of drinking water, surface water, Sea Water, catchment sources and raw water	PICH-211 (Rev. 8) Drinking Water, Catchment sources and Raw Waters samples collection based on NCh409/2:2004, NCh411/3:2014 and Manual oh Test Methods for Drinking Water SISS.
Samples collection of wastewaters	PICH-212 (Rev. 6) Wastewater samples collection based on NCh411/10:2005 and NCh411/3:2014 in wastewater
Samples collection of wastewaters	NCh411/10:2005 Water quality - Sampling - Part 10: Sampling of wastewater - Collection and handling of samples
Samples collection of drinking water	NCh409/2:2004 Drinking water - Part 2: Sampling
Samples collection of Solid Waste, Liquid Waste, Solid industrial waste (RISES) and Sludge	PICH-301 (Rev. 2) Solid Waste and Liquid Waste samples collection based on DS148 MINSAL Sanitary regulation for the management of hazardous waste
Samples collection of Soils	PICH-302 (Rev. 2) Solid soil samples collection using manual or prospecting techniques, based on ISO 10381-2 :2002. Soil Quality – Sampling – Part 2: Guidance on Sampling Techniques
Samples collection of sediments, lacustrine sediments, marine sediments and aquatic sediments	PICH-303 (Rev. 2) Sediments samples collection, based on UNE EN ISO 5667-1:2007, UNE-EN ISO 5667-13:2011, UNE-EN ISO 5667-15:2010, UNE-EN ISO 5667-19:2004 and ISO 5667-12:1997



# SCOPE OF ACCREDITATION

Samples collection of Flours and related products	PC-128 (Rev. 1) Flours and related products samples collection
In Situ Measurement: pH	PICH-202 (Rev.2) In situ measurement of pH, based on NCh411/10:2005, APHA-AWWA-WPCF Ed.23 and NCh2313/1:1995 in drinking water, surface water, groundwater, wastewater and sea water
In Situ Measurement: Electric Conductivity	PICH-203 (Rev.2) In situ measurement of Electric Conductivity, based on UNE-EN 27888:1994 and APHA-AWWA-WPCF Ed.23 in drinking water, surface water, groundwater, wastewater and sea water
In Situ Measurement: Temperature	PICH-204 (Rev.3) In situ measurement of Temperature, based on L'analyse de l'eau eaux naturelles, eaux résiduaires, eau de mer. Chimie, physico- chimie, bactériologie, biologie. J.Rodier 1978, p.62-63 in drinking water, surface water, groundwater, wastewater and sea water
In Situ Measurement: Dissolved Oxygen	PICH-205 (Rev.2) In situ measurement of Dissolved Oxygen, based on UNE-EN 25814:1994 in surface water, groundwater, sea water and wastewater
In Situ Measurement: Total Chlorine, Residual Free Chlorine, Combined Chlorine	PICH-206 (Rev.2) In situ measurement of Total, Residual Free and Combined Chlorine, based on NCh411/10:2005 and Standard Methods for the examination of water on wastewater ed. 23 in drinking water, surface water, groundwater, wastewater and sea water
In Situ Measurement: Flow	PICH-207 (Rev.3) In situ measurement of Flow based on ASTM D5242-92, ASTM D5640-95, Minsegpres DS46/2, NCh410, NCh411/10:2005, NCh3205:2011, MOP D.S609/98 in drinking water, surface water and wastewater
In Situ Measurement: Water Transparency	PICH-208 (Rev.2) In situ determination of water transparency using Secci Disk in surface water and sea water
In Situ Measurement: Phreatic groundwater level and Dynamic groundwater level	PICH-210 (Rev.4) Groundwater samples collection based on NCh411/11:1998 and NCh411/3:2014 in Groundwater
In Situ Measurement: Water level in surface water	PICH-211 (Rev.8) Drinking Water, Catchment sources and Raw Waters samples collection based on NCh409/2:2004, NCh411/3:2014 and Manual oh Test Methods for Drinking Water SISS.
In Situ Measurement: Odor	PICH-213 (Rev.2) In situ determination of Odor, based on NCh409/1:2005, NCh410:1996 and Standard Methods for



# SCOPE OF ACCREDITATION

	the Examination of Water and Wastewater. APHA.AWWA. Ed. 23, Part. 2150. in drinking water
In Situ Measurement: Taste	PICH-214 (Rev.2) In situ determination, based on NCh409/1:2005, NCh410:1996 and Standard Methods for the Examination of Water and Wastewater. APHA.AWWA. Ed. 23, Part. 2170: Flavor Profile Analysis of Taste in drinking water