



STS Directory

Accreditation number: STS 0398

International standard: ISO/IEC 17025:2017
Swiss standard: SN EN ISO/IEC 17025:2018

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Initial accreditation: 09.02.2004
Current accreditation: 23.06.2023 to 22.06.2028
Scope of accreditation see: www.sas.admin.ch (Accredited bodies)

Scope of accreditation as of 23.06.2023

Testing laboratory for the determination of concentration of gases and of impurities in gases

Group of products or materials, field of activity	Principle of measurement ²⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
CO ₂ for alimentation purposes	Mass spectrometry with low ionisation energy (IMR-MS): CH ₄ , CH ₃ OH, benzene, toluene, xylenes, COS, CH ₄ S, C ₂ H ₆ S, CS ₂ , SO ₂ and H ₂ S	Inhouse methods: MA029, MA042, MA044, MA045, MA046, MA054, MA055, MA056, MA057, MA058, MA059
	Flame ion detection (FID_{total}): Traces of C _n H _m in CO ₂	Inhouse method: MA041 based on ISBT n° 10.0
	Gas chromatography using flame ion detection and methanation (GC-FID/FM): Traces of CO in CO ₂	Inhouse method: MA002
CO ₂ for alimentation purposes	Chemiluminescence (CLD): Traces of NO/NO ₂ in CO ₂	Inhouse method: MA018_p



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Group of products or materials, field of activity	Principle of measurement ²⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
CO₂ for medical and pharmaceutical purposes	Mass spectrometry with low ionization energy (IMR-MS): COS, CH ₄ S, C ₂ H ₆ S, CS ₂ , SO ₂ and H ₂ S	Inhouse methods: MA054, MA055, MA056, MA057, MA058, MA059
	Gas chromatography using flame ion detection and methanation (GC-FID/FM): Traces of CO in CO ₂	Inhouse method: MA002
	Chemiluminescence (CLD): Traces of NO/NO ₂ in CO ₂	Inhouse method: MA018_p based on Ph. Eur. 2.5.26
O₂ for medical and pharmaceutical purposes	Determination by paramagnetic analyzer: Titer and identification of oxygen (O ₂)	Inhouse method: MA011_p based on Ph. Eur. 2.5.27
	Electrochemical determination (P2O5): Traces of H ₂ O in O ₂	Inhouse method: MA108_p based on Ph. Eur. 2.5.28
	Infrared spectrometry (IR): Traces of CO in O ₂ Traces of CO ₂ in O ₂	Inhouse methods: MA100_p based on Ph. Eur. 2.5.25 MA101_p based on Ph. Eur. 2.5.24
N₂	Chemiluminescence (CLD): Determination of NO/NO ₂ in N ₂	Inhouse method: MA104

Abbreviation	Signification
ISBT	International Society of Beverage Technologists
Ph. Eur.	European Pharmacopoeia

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