SGS GAS CO2 Testing: Expertise you can trust

SGS Gas Analysis Services (SGS GAS) over 25 years of experience providing gas analysis services. For over 20 years SGS GAS has provided full analysis of CO2 to industry. Will full capability to test to ISBT, EP, USP and UHP standards we provide services to Beverage, Food, Pharma, SemiCon and CCUS industries. With the current demands on CO2 sources globally SGS GAS is supporting industry in validating and gaining confidence in new alternative CO2 sources.

GAS

Member of the SGS Group

ISO 17025 ACCREDITED LABORATORY FOR CO2 ANALYSIS & TESTING

An INAB accredited testing laboratory. Reg. No. [391T]. ISO 17025 Accreditation of CO2 in accordance with ISBT analysis. Very fast turnaround times.

Additional Testing:

- Speciation of Sulphurs
- Speciation of C1-C7 Volatile Hydrocarbons
- C5-C25 Mass Spectrometry Screening
- Trace Permanent Gases (% and ppm)
- Microbial Analysis
- PFAS Analysis
- Biogenic CO2 analysis – DNA Testing
- Speciated Siloxanes
- PAHs
- Speciated Metal Analysis.

Supply of sample retrieval equipment:

Testing redundancy services via our sister laboratory, SGS Germany who are also ISO17025 accredited.

FINAL PRODUCT PURITY CONTROL

Annual ISBT independent laboratory analysis completed in our ISO17025 accredited laboratory

Coca-Cola laboratory approval

SGS GAS Design, supply, install and maintain turnkey ISBT+ Analysis systems for onsite continuous monitoring of CO2 gas which ensures end-to-end quality assurance. Storage tank and trailer analysis. Analysis systems are Coca Cola approved.

RAW GAS MONITORING AND INVESTIGATIVE TESTING

Mobile laboratory for onsite impurity studies of potential CO2 sources

Supply of sample retrieval equipment with the option of personnel

Laboratory analysis of raw CO2.

CARBON CAPTURE UTILISATION AND STORAGE (CCUS)

Stream analysis for environmental and industrial applications

Online Monitoring: Continuous real-time CO2 analysis systems

Custom Analysis Systems: Design, calibration, and validation tailored to industry and customer requirements.

GLOBAL OPERATION CAPABILITIES

Around-the-clock CO2 testing during global supply challenges, ensuring high-quality, uninterrupted service

Global onsite sample retrieval capabilities with local SGS personnel

Over 25 years in CO2 analysis to EIGA and ISBT standards

Trusted by the major CO2 suppliers and consumers.

International Society of Beverage Technologists Bulk CO2 Safety Guidelines	
COMPONENT	SPECIFICATION
Assay/ Purity	≥99.90 % v/v
Moisture	≤20.0 ppm v/v
Oxygen	≤30.0 ppm v/v
Carbon Monoxide	≤10.0 ppm v/v
Oxides of Nitrogen (NOx)	≤5.0 ppm w/w
Ammonia	≤2.50 ppm v/v
Nitrogen Dioxide	≤2.50 ppm v/v
Nitrogen Monoxide	≤2.50 ppm v/v
Non-volatile Residues	≤10.0 ppm w/w
Non-volatile Organic Residue	≤5.0 ppm w/w
Methanol	≤10.0 ppm v/v
Total hydrocarbons (As methane)	≤50.0 ppm v/v
Total non methane hydrocarbons (As methane)	≤20.0 ppm v/v
Acetaldehyde	≤0.20 ppm v/v
Aromatic Hydrocarbon	≤0.020 ppm v/v
Total Sulphur (As S)	≤0.10 ppm v/v
Sulphur Dioxide	≤1.0 ppm v/v
Odour and appearance of solid CO2 (Snow)	No foreign odour or appearance
Taste, Odour and Appearance in water	No Foreign taste or odour No colour or turbidity

CONTACT US
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GAS ANALYSIS SERVICES IS NOW PART OF SGS, THE WORLD'S LEADING TESTING, INSPECTION AND CERTIFICATION COMPANY.

ISO 17025 T
INAB
ACCREDITED
TESTING
DETAILED IN SCOPE REG NO.391T

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