



SGS GAS Process Gas Testing Services

SGS GAS – Your Trusted Partner in Process Gas Analysis

SGS Gas Analysis Services (SGS GAS) is part of the SGS group. SGS is a global company with over 100,000 employees and 2,600 offices and laboratories worldwide.

At SGS GAS, we specialise in providing expert analytical support for industries utilising process gases. Our team of highly skilled engineers conducts on-site gas sampling and analysis, ensuring accuracy, efficiency, and compliance with industry standards.

From commissioning and routine testing to system troubleshooting, our on-site analysis team delivers immediate results for most testing requirements. Supported by our extensive global laboratory network, we offer comprehensive solutions tailored to your process gas analytical needs.

GAS

Member of the SGS Group

[SGS.COM/GAS](https://www.sgs.com/gas)



COMPREHENSIVE ON-SITE TESTING SERVICES

SGS GAS provides on-site testing solutions to help customers verify that their process gases meet required specifications. Our analytical engineers serve clients worldwide, conducting real-time on-site analysis to ensure fast turnaround times and reliable results.

OUR SERVICES

Commissioning, Qualification & Validation - Whether you're launching a new production facility or modifying an existing one, our experts conduct thorough gas distribution system reviews and develop cost-effective sampling strategies. We ensure system integrity and chemical purity by performing precise analysis at designated sample points and frequencies.

Chemical Purity Testing

- European Pharmacopeia (EP)
- United States Pharmacopeia (USP)
- Japanese Pharmacopeia (JP)
- ISO8573 – Compressed Air
- Customer Specific Specification for chemical analysis.

System Integrity Testing

- ISO14644 - Cleanrooms and Controlled Environments
- EudraLex Volume 4 EU Guidelines for Good Manufacturing Practice (GMP)
- Customer Specific Specification for Non-Viable particulate and Viable particulate contamination.

Raw Material Testing

Our fleet of mobile laboratory vehicles conducts full gas analysis at customer sites or gas supplier locations. Whether testing gas cylinders, manifold cylinder pallets (MCPs), liquid dewars, or bulk road tankers, we ensure the quality of all process gas deliveries. This prevents contamination risks and maintains the integrity of validated gas distribution systems. Our testing guarantees that the gas supplied by manufacturers meets the required purity standards for your processes.

Routine Monitoring

All validated systems should be routinely monitored to ensure consistent performance. Our on-site team provides regular analysis as part of a routine monitoring plan, helping businesses identify trends and prevent potential issues before they impact production. We also assist in designing monitoring plans tailored to your specific needs, ensuring both gas purity and system integrity.

Laboratory Services

Our ISO17025-accredited laboratory is fully equipped to meet the highest standards in process gas analysis. Complementing our on-site capabilities, the lab performs specialised testing using techniques such as TCD, FID, SCD, DID, PDHID and GCMS. Additionally, we offer microbiological analysis for compressed gas samples. Clients worldwide rely on our laboratory services for critical applications, including:

- Food & Beverage: Carbon Dioxide purity testing
- Hydrogen Fuel: Purity verification
- Contamination Analysis: Identification of unknown contaminants.

Sample Management

SGS GAS ensures seamless transportation of gas samples globally. Our dedicated sample management team assists with the logistics of transporting samples to our facility or any SGS location worldwide. We guarantee timely delivery while maintaining sample integrity throughout transit.



CONTACT US

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

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