



The premium
solution for
instrumentation
and calibration

A wide range of mixtures to meet your analytical needs

- Best fit for instrumentation and calibration
- From 2 to 40 components ranging from ppm to ppb
- Four products classes related to blend tolerance and accuracy
- Products on catalogue and on-demand



ALPHAGAZ™

Mixtures

Four product classes, meeting your blend tolerance and accuracy requirement



Simpler choices

- Four levels of precision covering all analytical applications
- Color-coded cylinder visual identity for easy identification
- Selection of gas handling equipment

Consistent, reliable service

- Reliable and short lead time
- Dedicated customer support for on-demand mixtures

Quality you can depend on

- Certificate of analysis included in each delivery for calibration mixtures and certificates of conformity for instrumentation mixtures
- Traceability guarantee with a batch number per cylinder
- Accreditation in option, in compliance with the most stringent local regulations
- Special treatment for cylinder conditioning

INSTRUMENTATION STANDARD		CALIBRATION STANDARD		CALIBRATION HIGH PRECISION		CALIBRATION VERY HIGH PRECISION	
ALPHAGAZ™ Mix 1		ALPHAGAZ™ Mix 2		ALPHAGAZ™ Mix 3		ALPHAGAZ™ Mix 4	
Accuracy	Blend Tolerance	Accuracy (analytical or process)	Blend Tolerance	Accuracy (analytical or process)	Blend Tolerance	Accuracy (analytical or process)	Blend Tolerance
N/A	5% ≤ BT ≤ 10%	2% ≤ A ≤ 5%	5% ≤ BT ≤ 10%	1% ≤ A ≤ 2%	2% ≤ BT ≤ 5%	A ≤ 1%	BT ≤ 2%

High-valuable options exist for all these mixtures: accreditation, reproducibility, guarantee and dual certification.

Blend tolerance (BT): the degree of agreement between the blended concentration and the requested concentration for a component. The blend tolerance may vary depending on the concentration and the chemical nature of the components in the mixtures.

Accuracy (A): the degree of statistical agreement (usually at the 95% of confidence level) between a measured value or a true value. It can come from an analytical measurement or can be determined by a precise and validated process.



www.airliquide.com



The pure,
high
performance
solution

Two grades to ensure your optimal performance

- Best fit for carrier, purge and zero
- Two levels of purity from % to ppb
- SMARTOP™ included
- Products on catalogue and in stock



ALPHAGAZ™

Pure Gases

Two grades, two levels of purity to cover all your analytical applications

Simpler choices

- Two levels of purity covering almost 100% of our clients needs
- Optimal number of references
- SMARTOP™ included, the simplest clever valve
- Color-coded cylinder visual identity for easy identification
- Selection of gas handling equipment

Consistent, reliable service

- Products in stock
- Dedicated customer support from quotation to delivery

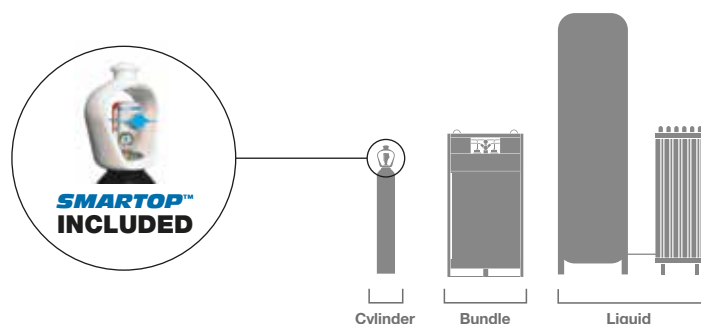
Quality you can depend on

- Guaranteed low level of critical impurities
- Certificate of conformity included
- Traceability guarantee with a batch number per cylinder
- Special treatment for cylinder conditioning

	ALPHAGAZ™ 1 One Convenient Grade for Many Applications from % to ppm	ALPHAGAZ™ 2 The Highest Purity Level Possible from ppm to ppb
Level of purity	N50 with a 99.999% accuracy	N60 with a 99.9999% accuracy
Ar, H ₂ , He, N ₂ , O ₂	H ₂ O < 3 ppm O ₂ < 2 ppm* C _n H _m < 0.5 ppm	H ₂ O < 0.5 ppm O ₂ < 0.1 ppm* CO ₂ < 0.1 ppm CO < 0.1 ppm C _n H _m < 0.1 ppm H ₂ < 0.1 ppm**
Air	H ₂ O < 3 ppm CO < 1 ppm CO ₂ < 1 ppm C _n H _m < 0.1 ppm	H ₂ O < 0.5 ppm CO < 0.1 ppm CO ₂ < 0.1 ppm C _n H _m < 50 ppb SO ₂ < 10 ppb NO _x < 10 ppb
CO ₂ , N ₂ O, C ₂ , H ₂	Contact us	Contact us
Shelf life	60 months	60 months

*except for O₂ **except for H₂

ALPHAGAZ™ 1 and ALPHAGAZ™ 2 are available with the best supply modes ensuring safety, quality, consistency and simplicity if use.



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