



PURAGAZ

PURAGAZ is an Irish company as that supplies precision calibration gas mixtures and high purity gases for the Process and Industrial markets worldwide.

Our core competencies are custom gas mixtures and standard calibration gases in a portable, lightweight, aluminium non-refillable cylinders blended gravimetrically (as per ISO6142) and quality tested for mixture accuracy, stability and maximum shelf life.

PURAGAZ calibration gas mixtures are primarily used for the testing and calibration of gas detectors & analysers used in a wide range of industrial and process applications:

- Flammable & Toxic Gas Detection
- Environmental Monitoring (EPA Mixtures)
- Food & Beverage Analysis
- Medical Gas Analysis
- Gas Chromatography (GC Analysis)
- Refrigerant Gas Analysis
- Research & Development Laboratories
- Oil & Gas Laboratories



Products Offered

- Standard Calibration Gases in Non-Refillable Cylinders
(Reactive and Non-Reactive, Single & Multi Component)
- Customized Calibration Gases
- Calibration Standards (CRM - Certified Reference Materials)
- Ultra High Purity Carrier Gases N5.5, N6.0 (Ar , N₂ , He , H₂ , Synthetic Air)
- Services - Gas Sampling Panels, Tube Fittings (VCR/VCO), Gas Regulators, Blending Systems, Delivery Systems and Safety Products

Quality

PURAGAZ supplies specialty and custom made gas mixtures carefully produced to meet or exceed our customer requirements. All the gas mixtures are traceable to NIST.

Delivery

PURAGAZ understands that companies operating in process and environmental industries require effective and timely services from their suppliers. We deliver to all destinations around the MENA (Middle East & North Africa) region and our priority is to provide the highest level of delivery service. Our distribution centres and logistics partners are positioned at strategic locations for your convenience. PURAGAZ will work closely with you to meet your requirements and we are flexible with regard to accomodating any requests you may have.



Standard Gas Mixtures

Component Gas	Symbol	Concentration	Balance	Cylinder Type	Shelf Life
Ammonia	NH ₃	10 to 500 ppm	Air/N ₂	Aluminium	12 Months
Chlorine	Cl ₂	2 to 1000 ppm	N ₂	Aluminium	12 Months
Ethylene Oxide	ETO	5 to 100 ppm	N ₂	Aluminium	12 Months
Hydrogen Cyanide	HCN	1 to 500 ppm	N ₂	Aluminium	12 Months
Hydrogen Chloride	HCl	3 to 1000 ppm	N ₂	Aluminium	12 Months
Hydrogen Sulfide	H ₂ S	5 to 10000 ppm	Air/N ₂	Aluminium	12 Months
Nitric Oxide	NO	5 to 900 ppm	N ₂	Aluminium	12 Months
Nitrogen Dioxide	NO ₂	3 to 200 ppm	Air/N ₂	Aluminium	12 Months
Phosphine	PH ₃	0.5 to 15 ppm	N ₂	Aluminium	12 Months
Silane	SiH ₄	1 to 100 ppm	N ₂	Aluminium	12 Months
Sulfur Dioxide	SO ₂	2 to 500 ppm	Air/N ₂	Aluminium	12 Months

Standard Reactive Gas Mixtures

Benzene	C ₆ H ₆	1 to 5 ppm	Air	Steel	24 Months
Butane	C ₄ H ₁₀	10 ppm to 0.9% vol.	Air	Steel	24 Months
Carbon Dioxide	CO ₂	50 ppm to 100% vol.	Air/N ₂	Steel	24 Months
Carbon Monoxide	CO	10 to 2000 ppm	Air/N ₂	Steel	24 Months
Ethylene	C ₂ H ₄	10 ppm to 1.35% vol.	Air	Steel	24 Months
Helium	He	100% vol.	N/A	Steel	24 Months
Hexane	C ₆ H ₁₄	10 ppm to 0.48% vol.	Air	Steel	24 Months
Hydrogen	H ₂	10 ppm to 2.0% vol.	Air/N ₂	Steel	24 Months
Isobutylene	C ₄ H ₈	10 to 250 ppm	Air	Steel	24 Months
Methane	CH ₄	10 ppm to 2.5% vol.	Air	Steel	24 Months
Methyl Chloride	CH ₃ Cl	10 to 300 ppm	Air	Steel	24 Months
Methylene Chloride	CH ₂ Cl ₂	10 to 200 ppm	Air	Steel	24 Months
Nitrogen	N ₂	100% vol.	N/A	Steel	48 Months
Oxygen	O ₂	0.4 to 100% vol.	N ₂	Steel	48 Months
Pentane	C ₅ H ₁₂	10 ppm to 0.75% vol.	Air	Steel	24 Months
Propane	C ₃ H ₈	10 ppm to 1.1% vol.	Air	Steel	24 Months
Propylene	C ₃ H ₆	10 ppm to 5.6% vol.	N ₂	Steel	24 Months
Toluene	C ₇ H ₈	10 to 150 ppm	Air	Steel	24 Months
Zero Air	N/A	20.9% O ₂ / N ₂	N/A	Steel	48 Months

Standard Non-Reactive Gas Mixtures

*Please contact us for your specific requirements

Service Features

PURAGAZ are committed to providing and maintaining a quality product from the point of sale. Our professional employees have the knowledge to recommend the proper gas mixture for your calibration requirements. We pride ourselves on our dedicated after sales service and re-ordering is hassle-free to ensure that your operations are seamless.

For more information or to order please contact:



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