

Specialty Gas Mixtures



Hatgrup is producing specialty gas mixtures in accordance to customer requirements. We are able to manufacture percentage, ppm and ppb level mixtures. We have a laboratory certified with EN ISO/IEC 17025 accreditation

Custom made mixtures produced by Hatgrup Specialty Gas Laboratory qualified personnel in accordance with ISO 6142 gravimetric filling method. Specialty Gas Lab is manufacturing percentage level industrial mixtures and ppm/ppb level calibration gas mixtures. Each mixture cylinder is analyzed with GC's and specific gas analyzers and comes with traceable Certificate of Analysis.

Disposable Cylinders



We can supply gas mixtures in 34L, 58L, 116L aluminum disposable or refillable cylinders for calibration of flammable/toxic gas detectors.

Some mixtures in our portfolio
Flue Gas Emissions, Air Pollution, Blood Gas, Lung Diffusion, G Gases, Industriall Laser Mix

ISO 17025 Accredited Gas Mixtures

Hatgrup Specialty Gas Laboratory is certified as TSE EN ISO 17025 accredited calibration laboratory by Turkish Accreditation Agency TÜRKAK. We are able to produce gas mixtures within our accreditation scope.



-Binary Mixtures

CO in N₂ O₂ in N₂ NO in N₂ SO₂ in N₂ C₃H₈ in N₂/Air
CH₄ in N₂/Air CO₂ in N₂

-Three Gas Mixtures

CO+NO+SO₂ in N₂

-Syntethic Natural Gas Calibration Mixture

Natural Gas Standards are prepared and analyzed in accordance to ISO 6142 gravimetric method and ISO 6143 standard. All components in our EN ISO 17025 accreditation scope are

C₂H₆, C₃H₈, i-C₄H₁₀, n-C₄H₁₀, i-C₅H₁₂, n-C₅H₁₂, n-C₆H₁₄, N₂, CO₂ in CH₄

-Exhaust Emissions

Accredited mixtures prepared for calibration of exhaust emissions test equipments. Components are

CO₂, CO, C₃H₈, O₂ in N₂



Cryogenic Equipments

High and low pressure portable cryogenic liquid cylinders for Argon, Nitrogen, Oxygen and CO₂



On-Site Gas Generators



Small and large scale Nitrogen, Oxygen and Hydrogen Generators

Gas Equipments

Stainless steel two-stage pressure reducers for high pressure cylinders.



High Purity Gases



Helium, Argon, Nitrogen,
Oxygen, Hydrogen,
Methane, Dry Air up to
99.9999% purity in various
sizes of high pressure
cylinders.

Cylinder Testing Facility



Our facility is certified by DOT with RIN number G992.
We are able to do periodic hydrostatic tests for high pressure cylinders in accordance with
DOT, EN, TPED, ADR requirements.

Since 1980



Hat Sınai ve Tibbi Gazlar A.Ş. has been serving the industry since 1980. We have become a company that offers products that will increase the production quality of the customers, facilitate their work and enable them to benefit from high technology by offering them the products that customers need in a short time and with high quality service.



Quality Policy

- To carry out every work we do and every service we provide in accordance with world standards.
- To maintain the search for excellence and continuous improvement in all areas in order to maintain the quality difference we have created.
- To maintain our dynamic, entrepreneurial and innovative approach by managing our human resources correctly and without losing our team spirit.
- To serve our customers with solution-oriented approaches.

lubrication
systems

specialty
gases

mri service

specialty
gases



hatgrup

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