APPARATUS FOR SULFUR CONTENT IN LPG AZA1300A

The AZA1300A Apparatus for Sulfur Content in LPG from AZA LAB is a high-performance analytical system designed for precise determination of total volatile sulfur in liquefied petroleum gases (LPG), natural gas, gaseous hydrocarbons, and petrochemical process streams.

Developed in full compliance with ASTM D6667, the AZA1300A utilizes advanced Ultraviolet Fluorescence (UVF) technology to provide ultra-sensitive sulfur analysis with exceptional repeatability, stability, and rapid testing performance across a wide analytical range.

The system integrates:

- High-temperature combustion
- Precision UV fluorescence detection
- Automatic calibration
- Moisture removal technology
- Intelligent software control

making it an ideal solution for refineries, LPG bottling plants, petrochemical facilities, environmental laboratories, inspection agencies, and quality control laboratories requiring accurate sulfur determination and regulatory compliance.

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TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Model	AZA1300A
Product Type	Apparatus for Sulfur Content in LPG
Test Method	Ultraviolet Fluorescence (UVF)
Standards Compliance	ASTM D6667
Sulfur Range (Gas)	1–100 mg/kg
Sulfur Range (LPG)	1–196 mg/kg
Measuring Range	0.2 mg/L – 3%
Lower Detection Limit	0.2 mg/L
Furnace Temperature	Up to 1100°C
Temperature Control Accuracy	±0.5% or ±2°C
Sample Injection Volume – Solid	1–20 mg
Sample Injection Volume – Liquid	1–30 µL

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TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Sample Injection Volume – Gas	1–10 mL
Moisture Control	Integrated Nafion Membrane Dryer
Calibration	Automatic Curve Creation & Storage
Sample Types	Gas, Liquid & Solid
Software	Windows-Based Bilingual Interface
Gas Requirements	Argon ≥99.995%, Oxygen ≥99.99%
Humidity Requirement	≤5 ppm
Power Supply	AC 220V ±22V, 50 Hz ±0.5 Hz
Rated Power Consumption	1500 W
Operating Temperature	10–35°C
Relative Humidity	≤70%