

Propane



Standard purities are produced by purification of a standard refinery propane stream. Higher purities of propane are produced by direct hydrogenation of propylene at high temperature in the presence of a catalyst and is then purified using molecular sieve and fractional distillation.

Standard Specifications

PURITY / ASSAY	2.5	3.5	4.0	4.5	5.0
IMPURITIES (MOL %)	99.5%	99.95%	99.99%	99.995%	99.999%
Nitrogen	< 400	< 30	< 10	< 5	< 2
Oxygen	< 100	< 10	< 2	< 1	< 1
Carbon Dioxide	< 100	< 10	< 2	< 2	< 1
Propylene	< 400	< 50	< 10	< 10	< 2
Other hydrocarbons	< 4000	< 400	< 80	< 40	< 8
Moisture**	< 5	< 5	< 3	< 3	< 2
Total Impurities	< 5000	< 500	< 100	< 50	< 10

**Moisture Specification only guaranteed if cylinders prepared by AGT International

Standard Cylinder Sizes and Fill Volumes

CYLINDER INFORMATION

CYLINDER SIZE	FILL VOLUME (KG)
ISO Container	Up to 10,350
L454	190.6
L30	45.4
L15	22.7
L05	9.1
L01	2.3

Technical Information

TECHNICAL DATA		SHIPPING INFORMATION	
Molecular Weight (g/mol)	44.096	Shipping Name	Propane
Liquid Density (kg/m³)	582	Hazard Class	2.1
Gas Density (kg/m³)	1.91	UN No.	UN 1978
Boiling Point (0°C)	-42.1	Hazard Label	Flammable Gas
Specific Volume (m³/kg)	0.543	CAS No.	74-96-6
Vapour Pressure (bar.a)	8.7		
Valve Outlet	CGA 510 / BS 4		

AGT INTERNATIONAL
AGT International provides businesses with Shorter lead times, Higher Inventory Levels, Guaranteed Quality and Lower Costs.

PRODUCTS

AGT International supplies a comprehensive range of hydrocarbon gases and liquids and associated special gases.

CYLINDERS

AGT International has a wide range of cylinders and bulk containers available for either purchase or rent as well as being able to fill customer owned cylinders.

CONTACT

Please contact us if the specification you require is not shown above. AGT International is able to custom manufacture different specifications according to your requirements.
<http://www.agti.biz/>