

Ethane



Ethane is manufactured by direct hydrogenation of ethylene at high temperature in the presence of a catalyst. It is further purified using fractional distillation.

Standard Specifications

PURITY / ASSAY	2.5	3.0	4.5	5.0	5.5
IMPURITIES (MOL %)	99.5%	99.95%	99.995%	99.999%	99.9995%
Nitrogen	< 100	< 50	< 5	< 3	< 1
Oxygen	< 25	< 10	< 2	< 1	< 1
CO / CO2	< 30	< 10	< 4	< 2	< 1
Other hydrocarbons	< 4000	< 400	< 40	< 6	< 3
Moisture**	< 10	< 5	< 5	< 3	< 1
Total Impurities	< 5,000	< 500	< 50	< 10	< 5

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

Standard Cylinder Sizes and Fill Volumes

CYLINDER INFORMATION

CYLINDER SIZE	FILL VOLUME (KG)
50	17.5
49	16.8
44	14.5

Technical Information

TECHNICAL DATA		SHIPPING INFORMATION	
Molecular Weight (g/mol)	30.069	Shipping Name	Ethane, compressed
Liquid Density (kg/m³)	546.5	Hazard Class	2.1
Gas Density (kg/m³)	1.282	UN No.	UN 1035
Boiling Point (0^c)	-88.7	Hazard Label	Flammable Gas
Specific Volume (m³/kg)	0.799	CAS No.	79-84-0
Vapour Pressure (bar.a)	38.3		
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/>