

Ethane



Grade	USLI 4N	ULSI 4N5	ULSI 5N	ULSI 5N5
Purity, %	99.99	99.995	99.999	99.9995
Oxygen	≤4 ppmv	≤2 ppmv	≤1 ppmv	≤1 ppmw
Nitrogen	≤10 ppmv	≤5 ppmv	≤3 ppmv	≤1 ppmw
Carbon Dioxide	≤8 ppmv	≤4 ppmv	≤2 ppmv	≤ 1 ppmw
Water	≤5 ppmv	≤5 ppmv	≤3 ppmv	≤1 ppmw
Total Impurities	≤100 ppmw	≤50 ppmw	≤10 ppmw	≤5 ppmw
Other Hydrocarbons	≤80 ppmv	≤40 ppmv	≤6 ppmv	≤3 ppbw

- A lot analysis is provided for each order – Individual analysis is also available upon request.
- For ULSI PLUS Grade, a Metals analysis is provided upon request.

CYLINDER	Internal Volume	Liters	43.8
	Cylinder Sizes >>		QF
	Content	lbs	30
		kg	13.6

*@ 21°C

SHIP	DOT Shipping Name	Ethane	UN Number	UN 1035	Shipped as
	DOT Classification	2.1 (Flammable Gas)	ECCN #	1C982	Liquefied
	DOT Label	FLAMMABLE GAS	Harmonized #	2711.14.0000	Gas

TECHNICAL DATA	Cylinder Pressure	543 psig
	@NTP	37.14
	Specific Volume	1.28 m ³ /kg
	@NTP	9.4 ft ³ /lb
	CAS No	74-84-0
	DISS/JIS	724/22-14L
Molecular Weight	30.07	

Critical Temperature	32.27°C	90.09°F
Critical Pressure	48.16 atm	707.79 psia

NTP = 21°C or 70°F and 101.3 kPa or 1 atm

Cylinder	Treatment	Nominal Diameter (OD)xHeight*		Material of Construction	
		cm	Inches	Cylinder	Valve
QF	ULTRA-LINE®	23x130/134/143	9x51/52.5/56	CS	SS

*Height is reported as the distance from the bottom of the cylinder to the cylinder neck/ center of the valve outlet/ top of the handwheel
 CS: Carbon Steel SS: Stainless Steel

