

Trimethylsilane



Grade	ULSI 4N
Purity, %	99.99
Oxygen + Argon	≤5 ppmv
Carbon Monoxide	≤2.5 ppmv
Carbon Dioxide	≤2.5 ppmv
Water	≤5 ppmv
Nitrogen	≤2 ppmv
Total Hydrocarbon	≤5 ppmv
Chlorides	≤2 ppmv

• A lot analysis is provided for each order – Individual analysis is also available upon request.

CYLINDER	Internal Volume	Liters	43.8	454
	Cylinder Sizes >>		QB	QK
	Content	kg	22	26
		lbs	48.5	57.3
	Change Point**	lbs	0.53	0.6

* @ NTP

**Recommended Cylinder Change Point, based on Phase Break, or the amount of product left in the cylinder when the liquid phase has completely evaporated and only gaseous product is left (estimate based on ideal gas behavior).

SHIP	DOT Shipping Name	Trimethylsilane	Shipped as
	DOT Classification	2.1 (Flammable Gas)	Liquefied Gas
	DOT Label	LIQUEFIED FLAMMABLE GAS	
	UN Number	UN 3161	

TECHNICAL DATA	Cylinder Pressure	9.16 psig
	@NTP	1.62 atm
	Specific Volume	0.325 m ³ /kg
	@NTP	5.214 ft ³ /lb
	CAS No	993-0707
	CGA/DISS	350/632
Molecular Weight	74.2 g/mol	

Critical Temperature	158.85°C	317.93°F
Critical Pressure	31.48 atm	462.67 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
QB	ULTRA-LINE® II	23x130/134/143	9x51/52.5/56	CS	SS
QX	ULTRA-LINE®	25x140/144/153	10x55/56.5/60	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