

Hydrogen Sulfide



Grade	Solar 2N5
Purity, %	99.5
Carbon Dioxide	≤500 ppmv
Carbon Disulfide	≤1000 ppmv
Carbonyl Sulfide	≤1000 ppmv
Nitrogen	≤100 ppmv
Methane + Ethane	≤500 ppmv
Water	≤1000 ppmv

A lot analysis is provided for each order.

CYLINDER	Internal Volume	Liters	17.1	43.8
	Cylinder Sizes >>		GF	QF
	Content	kg	10.0	27.2
		lbs	22.0	60.0
	Change Point*	lbs	1.1	2.8

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

SHIP	DOT Shipping Name	Hydrogen Sulfide	UN Number	UN 1053	Shipped as
	DOT Classification	2.3 (2.1) Poison Gas	ECCN #	EAR99	Liquefied
	DOT Label	POISON GAS AND FLAMMABLE GAS	Harmonized #	2811.19.6090	Gas

TECHNICAL DATA	Cylinder Pressure	252 psig	Vapor Pressure	Temp, °C	0.0	15.5	21.0	32.2	43.3
	@NTP	17.14 atm		Press, psig	139.7	223.4	259.9	344.5	445.8
	Specific Volume	0.71 m³/kg		Temp, °F	32	60	70	90	110
	@NTP	11.35 ft³/lb	RFO Data	Size, mm	0.254	0.3556	0.508	0.762	1.016
	CAS No	7783-06-4		Size, inches	0.01	0.014	0.02	0.03	0.04
	CGA/DISS	330/722		Flow, sccm	9,701	18,519	38,215	85,248	146,979
	Molecular Weight	34.08		Flow, scf/h	20.6	39.2	81.0	180.6	311.4
	TLV (ACGIH)	10 ppm							

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
GF	ULTRA-LINE®	23x66/70/79	9x26/27.5/31	CS	SS
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

⚠ WARNING: This product can expose you to chemicals including Carbon Disulfide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

