

# 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
	<b>Cylinder Sizes &gt;&gt;</b>		<b>GF</b>	<b>QF</b>
	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 2202	Shipped as
	DOT Classification	2.3 (2.1) Poison Gas	ECCN #	EAR99	Liquefied Gas
	DOT Label	POISON GAS AND FLAMMABLE GAS	Harmonized #	2811.19.6090	

TECHNICAL DATA	Cylinder Pressure @NTP	252 psig 17.14 atm
	Specific Volume @NTP	0.71 m <sup>3</sup> /kg 11.35 ft <sup>3</sup> /lb
	CAS No	7783-06-4
	CGA/DISS	330/722
	Molecular Weight	34.08
	TLV (ACGIH)	10 ppm

Vapor Pressure	Temp, °C	0.0	15.5	21.0	32.2	43.3
	Press, psig	139.7	223.4	259.9	344.5	445.8
	Temp, °F	32	60	70	90	110

RFO Data	Size, mm	0.254	0.3556	0.508	0.762	1.016
	Size, inches	0.01	0.014	0.02	0.03	0.04
	Flow, sccm	9,701	18,519	38,215	85,248	146,979
	Flow, scf/h	20.6	39.2	81.0	180.6	311.4

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



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