

Transportation Information

UN Number: 1046



Shipping Name	Helium, Compressed	Helium, Compressed	Helium, Compressed
Hazard Class	2.1	2.1	2.1
Label	Nonflammable Gas	Nonflammable Gas	Nonflammable Gas

(M)SDS Reference

P-4602

CAS Number

7440 - 59 - 7

General Description

Colorless, odorless, nonflammable inert gas.

Product/Grade	Purity	Part Number	Cylinder	N ₂	O ₂	H ₂ O	CO ₂	CO	THC	H ₂	Ne	Ar	Halogens
Research, 6.0	99.9999%	HE 6.0RS	T, K	0.4	0.1	0.2	0.1	0.1	0.1	0.5	–	0.5	–
Chromatography, 6.0	99.9999%	HE 6.0CH	T, K	–	0.5	0.2	0.1	0.1	0.1	–	–	–	–
Semiconductor, 6.0	99.9999%	HE 6.0SP	T, K	0.5	0.2	0.2	0.1	0.1	0.1	0.1	–	–	–
Trace Analytical, 5.5	99.9995%	HE 5.5TG	T, K	2	1	2	0.5	0.5	0.1	–	–	1	500 ppt ⁽¹⁾
Semiconductor, 5.5	99.9995%	HE 5.5SP	T, K	2	0.5	0.5	0.5	0.5	0.5	–	–	–	–
Laser Star, 5.5	99.9995%	HE 5.5LS	AT	–	1	1	–	–	0.1	–	–	–	50 ppt ⁽²⁾
Ultra High Purity Plus, 5.5	99.9995%	HE 5.5UP	T, K, packs, tubes	3	1	1	0.5	0.5	0.5	–	–	–	–
Semiconductor, 5.0	99.999%	HE 5.0SP	T, K	6	2	3	1	1	1	–	–	–	–
Ultra High Purity, 5.0	99.999%	HE 5.0UH	T, K, packs, tubes	5	1	2	–	–	0.5	–	–	–	–
Laser Star, 5.0	99.999%	HE 5.0LS	T, K	–	1	2	–	–	0.5	–	–	–	–
Laser Star, 4.7	99.997%	HE 4.7LS	T, K	–	3	3	–	–	1	–	–	–	–
Zero, 4.8	99.998%	HE 4.8Z	T, K	–	4	3	–	–	0.5	–	–	–	–
High Purity, 4.8	99.998%	HE 4.8	6K, 4K, 3K, T, K	–	5	5	–	–	–	–	–	–	–

Concentrations given are ppm by volume unless otherwise specified.
Maximum ppm unless otherwise noted.

⁽¹⁾ No peaks exceed the equivalent of 500 ppt Halogens.

⁽²⁾ No peaks exceed the equivalent of 50 ppt Halogens.

Cylinders

Cylinder Type	Style	Size in (cm)	Connection CGA/DISS	Pressure psig (bar)	Volume ft ³ (m ³)	Gross Weight lb (kg)
6K	Ultra High Pressure Steel	51 x 10 (129.5 x 24.4)	677	6000 (460)	519 (14.39)	308 (140)
4K	Ultra High Pressure Steel	91 x 9.3 (129.5 x 23.5)	680	4500 (310)	432 (11.98)	151 (69)
3K	Ultra High Pressure Steel	51 x 10 (129.5 x 24.4)	680	3500 (268)	333 (9.23)	192 (87)
T	High Pressure Steel	55 x 9.3 (139.7 x 23.5)	580/718	2640 (183)	15 (6.8)	146 (66)
K	High Pressure Steel	51 x 9 (129.5 x 22.9)	580/718	2200 (154)	50 (22.7)	135 (61)
AT	High Pressure Aluminum	54 x 10 (137.2 x 25.4)	580/718	2200 (154)	110 (49.9)	97 (44)
AS	High Pressure Aluminum	48 x 8 (121.9 x 20.3)	580/718	2000 (139)	135 (3.74)	49 (22)

Cylinder packs and tube trailers are available upon request.