

### Transportation Information



**UN Number:** 1066

Shipping Name	Nitrogen, Compressed	Nitrogen, Compressed	Nitrogen, Compressed
Hazard Class	2.2 Nonflammable	2.2 Nonflammable	2.2 Nonflammable
Label	Gas	Gas	Gas

### (M)SDS Reference

P-4631

### CAS Number

7727 - 37 - 9

### General Description

Colorless, odorless, nonflammable inert gas.

Product/Grade	Purity	Part Number	Cylinder	O <sub>2</sub>	H <sub>2</sub> O	CO <sub>2</sub>	CO	THC	H <sub>2</sub>	NOx	N <sub>2</sub> O	SO <sub>2</sub>	SF <sub>6</sub>	Halogens
Research, 6.0	99.9999%	NI 6.0RS	T, K	0.5	0.2	0.1	0.1	0.1	-	-	-	-	-	-
Chromatography, 6.0	99.9999%	NI 6.0CH	T, K,	0.5	0.5	0.1	0.1	0.1	-	-	-	-	-	-
Semiconductor, 6.0	99.9999%	NI 6.0SP	T, K	0.2	0.2	0.1	0.1	0.1	0.1	-	-	-	-	-
CEM, 5.5	99.9995%	NI 5.5CE	AS, AQ, A3	0.5	2	1	0.5	0.1	-	0.1	-	0.1	-	-
Trace Analytical Grade, 5.5	99.9995%	NI 5.5TG	T, K	1	2	0.1	1	0.1	-	-	-	-	-	500 ppt <sup>(1)</sup>
LaserStar, 5.5	99.9995%	NI 5.5LS	AT	1	2	-	-	0.1	-	-	-	-	-	50 ppt <sup>(2)</sup>
Semiconductor, 5.5	99.9995%	NI 5.5SP	T, K	0.5	0.5	0.5	1	0.5	0.5	-	-	-	-	-
Ultra High Purity Plus, 5.3	99.9993%	NI 5.3UP	T, K	1	1	0.5	0.5	0.5	-	-	-	-	-	-
Ultra Zero Ambient Monitoring, 5.0	99.999%	NI 5.0UM	T, K, AS, AQ	2	2	0.5	0.1	0.5	-	0.02	-	0.005	0.001	-
Volatile Organic Compound Free, 5.0	99.999%	NI 5.0VC	AS, AQ, A3	2	2	0.3	0.01	0.1 <sup>(3)</sup>	-	-	-	0.01	-	-
Vehicle Emission Zero (1065), 5.0	99.999%	NI 5.01065	T, K, AS, AQ	2	-	10	1	0.05	-	0.02	0.02	-	-	-
LaserStar, 5.0	99.999%	NI 5.0LS	T, K	1	3	-	-	0.5	-	-	-	-	-	-
Ultra High Purity, 5.0	99.999%	NI 5.0UH	T, K, Q,	1	3	-	-	0.5	-	-	-	-	-	-
Semiconductor, 5.0	99.999%	NI 5.0SP	T, K	1	3	1	2	1	2	-	-	-	-	-
Vehicle Emission Zero, 4.8	99.998%	NI 4.8VE	T, K, AS, AQ	0.5	1	1	0.5	0.1	-	0.1	-	-	-	-
Zero, 4.8	99.998%	NI 4.8Z	T, K,	4	3	-	-	0.5	-	-	-	-	-	-
High Purity, 4.8	99.998%	NI 4.8	6K, 3K, T, K,	5	3	-	-	-	-	-	-	-	-	-

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

<sup>(1)</sup> No peaks exceed the equivalent of 500 ppt Halogens.

<sup>(2)</sup> No peaks exceed the equivalent of 50 ppt Halogens.

<sup>(3)</sup> Can be individually analyzed for customer selected VOC components.



**See next page for Nitrogen cylinder specifications and equipment recommendations.**