

NUVAIR.COM AIR/GAS TESTING STANDARDS

▼ Analytes / Standard ►	OSHA	CGA GRADE D	CGA GRADE E	NAVSEA ¹	NITROX I	NITROX II ¹	NFPA 1500 ²	NFPA 1989 ²	NFPA 99 (Medical Air)	NFPA 99 (Medical Gas)	OCA ³
Oxygen (%)	19.5 - 23.5	19.5 - 23.5	20 - 22	20 - 22	31 - 33	35 - 37	19.5 - 23.5	19.5 - 23.5	19.5 - 23.5	99	20 - 22
Nitrogen (%)	-----	-----	-----	-----	-----	-----	78 - 81	78 - 81	-----	99	-----
Carbon Dioxide (ppm)	1000	1000	1000	1000	1000	1000	1000	1000	500	-----	1000
Carbon Monoxide (ppm)	10	10	10	10	10	10	5	5	10	-----	2
THC as Methane (ppm)	-----	-----	25	25	25	25	NA	NA	25	-----	25
VOC as Non-Methane Equivalent (ppm)	-----	-----	-----	-----	-----	-----	25	25	-----	-----	-----
Nitrous Oxide (ppm)	-----	-----	-----	-----	-----	-----	-----	-----	-----	99	-----
Nitrogen Dioxide (ppm)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Nitric Oxide (ppm)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Sulfur Dioxide (ppm)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Halogenated Solvents (ppm)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Halogenated Hydrocarbons (ppm)	-----	-----	-----	-----	-----	-----	-----	-----	2	-----	-----
H2O / Dew Point (ppm/degree)	+67/-50°F	+67/-50°F	+67/-50°F	+24/-65°F	+67/-50°F	+67/-50°F	+67/-50°F	+24/-65°F	+35°F	-----	+67/-50°F
Oil & Particles (mg/m³)	5	5	5	5	5	5	5	5	-----	-----	0.1 / 0.1
Unknowns	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Odor	None	None	None	None	None	None	None	None	-----	-----	None

¹ Test not available for purchase online. Contact the Nuvair sales team for assistance.

² NFPA recommends quarterly testing. NFPA 1989 recommends testing before and after filter changes.

³ Oil and particles are analyzed and reported separately.

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▼ Analytes / Standard ►	CGA GRADE A ¹	CGA GRADE J ¹	CGA GRADE L ¹	CGA GRADE N ¹	EN12021 ¹	TO 42B-1-22 ¹	FED BB-A-1034B ¹	SPECTRAL ANALYSIS	ISO 8573-1 ² Class 0-6	Z180 ²	Z275 ²
Oxygen (%)	19.5 - 23.5	19.5 - 23.5	19.5 - 23.5	20 - 22	20 - 22	20 - 203	20 - 22	Contact the Nuvair sales team for additional information on Spectral Analysis testing.	Contact the Nuvair sales team for additional information on ISO 8573-1 testing.	20 - 22	20 - 22
Nitrogen (%)	-----	-----	-----	-----	-----	-----	-----			78 - 80	78 - 80
Carbon Dioxide (ppm)	-----	0.5	1000	500	500	1000	500			600	600
Carbon Monoxide (ppm)	-----	1	10	10	5	10	10			5	3
THC as Methane (ppm)	-----	0.5	-----	-----	-----	25	25			10	10
VOC as Non-Methane Equivalent (ppm)	-----	-----	-----	-----	-----	-----	-----			5	5
Nitrous Oxide (ppm)	-----	-----	-----	-----	-----	-----	-----			-----	-----
Nitrogen Dioxide (ppm)	-----	0.1	-----	2.5	-----	-----	-----			-----	-----
Nitric Oxide (ppm)	-----	0.1	-----	2.5	-----	-----	-----			0	-----
Sulfur Dioxide (ppm)	-----	0.1	-----	5	-----	-----	-----			-----	-----
Halogenated Solvents (ppm)	-----	0.1	-----	-----	-----	0.2	0.2			-----	-----
Halogenated Hydrocarbons (ppm)	-----	-----	-----	-----	-----	-----	-----			5	5
H2O / Dew Point (ppm/degree)	-----	+1/-105°F	+24/-65°F	-----	+25/-64°C	+67/-50°C	0.02 (mg/L)			+27/-53°C	+27/-53°C
Oil & Particles (mg/m³)	-----	-----	-----	-----	0.5	5	0.005 (mg/L)			1	1
Unknowns	-----	-----	-----	-----	-----	-----	-----	-----	-----		
Odor	-----	-----	-----	-----	None	None	None	None	None		

¹ Test not available for purchase online. Contact the Nuvair sales team for assistance.

² Test available at an additional cost.

