



FEDERAL MILITARY SPECIFICATIONS

BREATHING AIR STANDARDS				
TRI Item No.	Federal BB-A-1034 Rev. B	Federal BB-A-1034 Rev. B	Federal BB-A-1034 Rev. B	Federal BB-A-1034 Rev. B
Grade	Grade A	Grade B	Grade A	Grade B
Typical Use/Application	Air Compressed for Breathing Purposes	Air Compressed for Breathing Purposes	Air Compressed for Breathing Purposes	Air Compressed for Breathing Purposes
Source	Source I Pressurized Air Cylinder	Source I Pressurized Air Cylinder	Source II Breathing Air Supplied Directly From Compressor	Source II Breathing Air Supplied Directly From Compressor
Percent Oxygen, balance is predominately nitrogen %	20 – 22	19 – 23	20 – 22	19 – 23
Carbon Monoxide (ppm)	10	10	10	10
Total hydrocarbon content (as methane) ppm	25	25	25	25
Carbon Dioxide (ppm)	500	1000	500	100
Oil (condensed) (mg/m3 at NTP)	5	5	5	5
Halogenated Solvents (ppm)	0.2	0.2	0.2	0.2
Nitric Oxide	N/A	N/A	N/A	N/A
Nitrogen Dioxide	N/A	N/A	N/A	N/A
Nitrous Oxide	N/A	N/A	N/A	N/A
Sulfur Dioxide	N/A	N/A	N/A	N/A
Odor	None	None	None	None
Water (ppm)	27	N/A	27	N/A
Dewpoint °F	- 63	N/A	- 63	N/A
Dewpoint °C				

NOTES: Grade A - High Purity very low water content; Grade B - Standard Purity low water content