



ADVANCED SPECIALTY GASES®

135 CATRON DRIVE RENO, NV 89512
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MIL-SPEC Refrigerant Gas

R-134a (Halocarbon 134a, C₂H₂F₄, 1,1,1,2-tetrafluoroethane)

Chemical Formula: C₂H₂F₄

DOT name: 1,1,1,2-tetrafluoroethane

Hazard Class: 2.2

UN#: 3159

CAS#: 811-97-2

Chemical Parameter	AHRI Requirements	Typical Analysis	Units
R-134a, Assay	97.98	99.44	%
Air & Other Non-condensable Gas (NCG)	1.5	0.43	% by volume @ 25°C
Water	10	7	ppm by weight
All Other Volatile Impurities	0.5	0.12	% by weight
High Boiling Residue	0.01	0.01	% by volume
Halogenated Unsaturated Volatile Impurities	40	1	ppm by weight
Particulates/ Solids	Pass	Pass	Visually clean to pass
Acidity	1	1	ppm by weight
Chloride	Pass	pass	No visible turbidity