



ADVANCED SPECIALTY GASES®

135 CATRON DRIVE RENO, NV 89512
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MIL-SPEC Refrigerant Gas **R-416a (Halocarbon 416a)**

Chemical Formula: CH₂FCF₃, CF₃CHFCl, C₄H₁₀

DOT name: Refrigerant Gas, n.o.s. (1-Chloro-1,2,2,2-tetrafluoroethane, 1,1,1,2-tetrafluoroethane)

Hazard Class: 2.2

UN#: 1078

CAS#: 811-97-2, 2837-89-0, 106-97-8

Chemical Parameter	AHRI Requirements	Typical Analysis	Units
R-416a, Assay	97.98	99.28	%
Air & Other Non-condensable Gas (NCG)	1.5	0.66	% by volume @ 25°C
Water	10	6	ppm by weight
All Other Volatile Impurities	0.5	0.05	% by weight
High Boiling Residue	0.01	<0.01	% by volume
Halogenated Unsaturated Volatile Impurities	40	<40	ppm by weight
Particulates/ Solids	Pass	Pass	Visually clean to pass
Acidity	1	<1	ppm by weight
Chloride	Pass	pass	No visible turbidity