



ADVANCED SPECIALTY GASES®

135 CATRON DRIVE RENO, NV 89512
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MIL-SPEC Refrigerant Gas **R-410a (Halocarbon 410a)**

Chemical Formula: CH₂F₂, CHF₂CF₃

DOT name: Liquified gas, n.o.s., (Pentafluoroethane, difluoromethane)

Hazard Class: 2.2

UN#: 3163

CAS#: 75-10-5, 354-33-6

Chemical Parameter	AHRI Requirements	Typical Analysis	Units
R-410a, Assay	97.98	99.63	%
Air & Other Non-condensable Gas (NCG)	1.5	0.3549	% by volume @ 25°C
Water	10	1.6	ppm by weight
All Other Volatile Impurities	0.5	0.00729	% by weight
High Boiling Residue	0.01	<0.005	% by volume
Halogenated Unsaturated Volatile Impurities	40	Below detection limit	ppm by weight
Particulates/ Solids	Pass	pass	Visually clean to pass
Acidity	1	0.1	ppm by weight
Chloride	Pass	pass	No visible turbidity