



# ADVANCED SPECIALTY GASES®

135 CATRON DRIVE RENO, NV 89512  
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## **MIL-SPEC Refrigerant Gas** **R-401b (Halocarbon 401b)**

**Chemical Formula:**  $\text{CHClF}_2$ ,  $\text{C}_2\text{H}_4\text{F}_2$ ,  $\text{C}_2\text{HClF}_4$

**DOT name:** Liquefied Gas n.o.s. (Chlorodifluoromethane, chlorotetrafluoroethane, difluoroethane)

**Hazard Class:** 2.2

**UN#:** 3163

**CAS#:** 75-45-6, 75-37-6, 2837-89-0

Chemical Parameter	AHRI Requirements	Typical Analysis	Units
R-401b, Assay	97.98	99.44	%
Air & Other Non-condensable Gas (NCG)	1.5	0.54	% by volume @ 25°C
Water	10	7	ppm by weight
All Other Volatile Impurities	0.5	0.01	% 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	<0.2	ppm by weight
Chloride	Pass	pass	No visible turbidity