

Specifications of Carbon Dioxide for Use in Refrigeration Applications

Supagas Carbon Dioxide for Use in Refrigeration Applications is manufactured to comply with the Specifications of Carbon Dioxide set out on Page 11 of . AHRI Standard 700-2015, these being:

Table 1C. Carbon Dioxide Refrigerant and its Allowable Levels of Contaminants		
	Reporting Units	R-744
CHARACTERISTICS:		
Sublimation Point ¹	°C at 101.3 kPa	-78.4
Sublimation Point Range ¹	K	± 0.3
VAPOR PHASE²:		
Air and other non-condensables, Maximum	% by volume at 10°C below the critical temperature and measure non-condensable directly	1.5
LIQUID PHASE³:		
Water, Maximum	ppm by weight	10
High Boiling Residue, Maximum	% by weight	0.0005
Particulates/Solids	Pass or Fail	Visually clean
Minimum Purity	% by weight	99.9
Notes: 1. Sublimation point, sublimation point range, although not required, are provided for informational purposes. Refrigerant data compiled from Refprop 9.1. 2. Sample taken from vapor phase. 3. Sample vaporized from liquid phase.		

Regards
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