

Quality Standard

Product	R-32
Product Type	Substance
Chemical Formula	CH ₂ F ₂
Chemical Name	Difluoromethane

Technical Specification	Reporting Units	R-32
Characteristics:		
Purity	%	≥ 99,9
Boiling Point ¹	°C @ 101.3 kPa	-51.7
Boiling Point Range ¹	K	± 0.3
Critical Temperature ¹	°C	78.1
Isomer Content	% by weight	Not Applicable
Vapor Phase Contaminants:		
Air and Other Non-condensables, Maximum	% by volume @ 25.0°C	1.5
Liquid Phase Contaminants:		
Water, Maximum	ppm by weight	10
All Other Volatile Impurities, Maximum	% by weight	0.5
Halogenated Unsaturated Volatile Impurities, Maximum	ppm by weight	40
High Boiling Residue, Maximum	% by volume or % by weight	0.01
Particulates/Solids	Pass or Fail	Visually clean
Acidity, Maximum	ppm by weight (as HC1)	1
Chloride ²	Pass or Fail	No visible turbidity

1. Boiling points, boiling point ranges and critical temperatures, although not required, are provided for informational purposes.

2. Recognized chloride level for pass/fail is about 3 ppm.

Value meet the International Specification AHRI 700-2019

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Approved by

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