KrioNext® 134a | R-134a

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Quality Standard

Product	R-134a
Tipe of ProducT	Substance
Chemical Formula	$CH_2F\text{-}CF_3$
Chemical Name	Norflurane

Technical Specification	Reporting Units	R-134a
Characteristics:		
Purity	%	≥ 99,5
Boiling Point[1]	°C @ 101.3 kPa	-26.1
Boiling Point Range[1]	K	± 0.3
Critical Temperature[1]	°C	101.1
Isomer Content	% by weight	0-0.5 R-134a
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	See Footnote[2]
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[3]	Pass or Fail	No visible turbidity

1. Boiling points, boiling point ranges and critical temperatures, although not required, are provided for informational purposes.
2. Up to 5000 ppm R-1234yf is acceptable as a halogenated unsaturated volatile impurity in R-134a.
3. Recognized chloride level for pass/fail is about 3 ppm.

Values meet the International Specification AHRI 700-2019.

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Approved by

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