

Quality Standard

Product	R-404A			
Type of Product	Blend			
- Refrigerant Components	-	R-125	R-143a	R-134a
- Nominal composition	% by weight	44%	52%	4%
- Allowable composition	% by weight	42÷46 (%)	51÷53 (%)	2÷6 (%)

Technical Specification	Reporting Units	R-404A
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
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 ¹	Pass or Fail	No visible turbidity
Characteristics:		
Bubble Point ²	°C @ 101.3 kPa	-46.2
Dew Point ²	°C @ 101.3 kPa	-45.5
Critical Temperature ²	°C	72.1

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

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

Values meet the International Specification AHRI 700-2019.

Date of Drafting 15.11.2022

Date of Final Revision 15.11.2022

Approved by

dr. Massimiliano Napolitano

