

Quality Standard

| | | | | |
|--------------------------|-------------|-----------|-----------|-----------|
| Product | R-407C | | | |
| Type of Product | Blend | | | |
| - Refrigerant Components | - | R-32 | R-125 | R-134a |
| - Nominal Composition | % by weight | 23% | 25% | 52% |
| - Allowable Composition | % by weight | 21÷25 (%) | 23÷27 (%) | 50÷54 (%) |

| Technical Specification | Reporting Units | R-407C |
|---|----------------------------|----------------------|
| 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 | -43.6 |
| Dew Point ² | °C @ 101.3 kPa | -36.6 |
| Critical Temperature ² | °C | 86.0 |

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.

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