

Specification R 438A

| | unit | min. | max. | test method |
|--------|------|------|------|-------------------|
| purity | %-wt | 99,5 | | gaschromatography |

composition

| | | | | |
|--------|------|------|------|-------------------|
| R 32 | %-wt | 7,0 | 9,0 | gaschromatography |
| R 125 | %-wt | 43,5 | 46,5 | gaschromatography |
| R 134a | %-wt | 42,7 | 45,7 | gaschromatography |
| R 600 | %-wt | 1,5 | 1,8 | gaschromatography |
| R 601 | %-wt | 0,4 | 0,7 | gaschromatography |

impurities

| | | | | |
|----------------------------|----------------------------------|--|------|---|
| water | mg/kg (ppm) | | 10 | moisture analysator Al ₂ O ₃ -cell |
| high boiling residue | %-wt | | 0,01 | controlled total evaporation |
| acidity | mg/kg | | 0,1 | titration |
| non-conden- sable gases | %-vol | | 1,5 | gaschromatography |
| particulates/solids | clear, colourless, liquified gas | | | visuell inspection |