

3. PURITY SPECIFICATION

The refrigerant referred to in this document shall fulfill all requirements of ARI 700-2004 including the following levels. The refrigerant shall be tested according to the methods of test in ARI 700-1995 Appendix C.

3.1 Purity

3.1.1 Volatile Impurities Including Other Refrigerants

3.1.1.1 Method

The amount of volatile impurities including other refrigerants in the subject refrigerant shall be determined by gas chromatography as described in Appendix C to ARI Standard 700.

3.1.2 Limits

The test sample shall not contain more than 0.5% by weight of volatile impurities including other refrigerants.

3.1.2.1 Unsaturated Compound Volatile Impurities

The test sample of HFC-134a shall not contain more than 40 ppm by weight of halogenated unsaturated volatile impurities, unless listed individually in 3.1.2.2.

3.1.2.2 Individual Listed Volatile Impurities

There is no individual impurity exceptions listed in this version of the Standard. Interested parties may petition SAE to list individual impurities at desired levels by submitting a request and information to justify the request to SAE headquarters for consideration by the SAE Interior Climate Control Standards Committee.

3.2 As referenced in ARI 700-2004 moisture shall not exceed 10 ppm by weight.

4. CONTAINER REQUIREMENTS AND IDENTIFICATION (CAPACITY UP TO 43 KG [95 POUNDS])

4.1 Standard Valve Outlet Connection

CGA 660 for returnable cylinders.

CGA 167 for non-returnable automotive cylinders 0.500 in x 16-2 g ACME Right hand thread cylinder valve connection.

4.2 DOT Identification

HFC-134a 1,1,1,2 – Tetrafluoroethane.

4.3 Container external color PMS 2975 Sky Blue.

4.4 Non-returnable containers shall met DOT Title 49CFR.

5. SHIPPING CONTAINER MARKING REQUIREMENTS

5.1 Hazard Class / Division 2.2

5.1.1 HFC-134a 1,1,1,2 - Tetrafluoroethane

5.2 DOT Label Non-Flammable Gas CAS Number 811097-2