



November 30, 2012

**Refrigerant Analysis- R134a / 1,1,1,2-tetrafluoroethane**

Analysis Number: IL12182  
 Hudson Sales Order #: Q070932  
 GC Run Number: Q172  
 Customer: Compressed Cylinder Services  
 Reference Number: PO# 1001  
 Sample Source: 1/2 Ton Cylinders  
 Refrigerant Temperature: 65°F

TEST/ANALYSIS	UNITS	AHRI Specifications	Sample Results	Test Method
Air and Other Non Condensable Gases	% by volume @ 25.0°C	1.5	0.63	AHRI 700-2011 5.10.1
Water	ppm by weight	10	3	AHRI 700-2011 5.4.1
All Other Volatile Impurities	% by weight	0.5	0.01	AHRI 700-2011 5.11.1
Isomer Content (R134)	% by weight	0.5	0.06	AHRI 700-2011 5.11.1
High Boiling Residue	% by volume or weight	0.01	0.002	AHRI 700-2011 5.8.1
Halogenated Unsaturated Volatile Impurities	ppm by weight	40	0	AHRI 700-2011 5.11.1
Particulates/Solids	visually clean to pass	pass	pass	AHRI 700-2011 5.9.1
Acidity	ppm by weight (as HCL)	1	0.01	AHRI 700-2011 5.7.1
Chloride	no visible turbidity	pass	pass	AHRI 700-2011 5.6.1
Material meets specification requirements	pass or fail	pass	pass	

**COMMENTS:**

**The sample meets all of the requirements of AHRI-700 2011 (Appendix C) for R134a  
 This certificate of analysis covers the packaged cylinders listed on attached Schedule A.**

**Laboratory Supervisor:** \_\_\_\_\_  
 David Watson

"The results and conclusions reported herein are based solely upon the integrity of the refrigerant sample, and assumes that all information provided is accurate and that proper sampling procedures were observed."

**Schedule A to Certificate of Analysis IL12182 dated November 30, 2012**

**Cylinder Serial Numbers Included in this Batch:**

22740

27978

14778

041655

28718

041105

028720

032436

135834

23697

0041668

13969

08584L

028088

033412

27698

041116

34953

024621

26354

23733

27700

21961

11551