

报告日期: 15/04/2016

SGS Oil, Gas and Chemicals  
通标准技术服务(上海)有限公司  
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## 分析报告: ST16-02129.001

警告: 该测试样品由客户或代表客户的第三方提供, 测试报告内容仅与样品相关, 不承担样品所代表的货物。本公司对样品所注明的产地和来源不承担任何责任。

工作订单号:	OPCSH1600924-02CG	BOSS单号:	--
客户编号:		样品描述:	制冷剂 - R134a
采样地点:	无		
样品来源:	客户提供		
样品类型:	无		
取样日期:	--	收样日期:	07/04/2016
分析日期:	14/04/2016	完成日期:	14/04/2016
容器:	1 Cylinder		

测试项目	方法	结果 单位	最小值	最大值
R134a纯度	AHRI 700 Appendix C Part 9	99.91 % (m/m)	99.5	--
卤代不饱和挥发性杂质含量	AHRI 700 Appendix C Part 9	<0.004 % (m/m)	--	0.004
酸度(以盐酸计)	AHRI 700 Appendix C Part 1	NO DETECT mg/kg	--	1
氯化物	AHRI 700 Appendix C Part 4	通过 ---	--	--
不凝气体(25°C)	AHRI 700 Appendix C Part 5	0.30 % (V/V)	--	1.5
水分	AHRI 700 Appendix C Part 2	7 mg/kg	--	10
高沸物残渣	AHRI 700 Appendix C Part 3	<0.01 % (V/V)	--	0.01
固体颗粒物	AHRI 700 Appendix C Part 3	通过 ---	--	--

**\*\* 分析结果结束 \*\***

The results shown in this test report specifically refer to the sample(s) tested as received unless otherwise stated. All tests have been performed using the latest revision of the methods indicated, unless specifically marked otherwise on the report. Precision parameters apply in the determination of the below results. Users of the data shown on this report should refer to the latest published revisions of ASTM D3244; IP 367 and ISO 4259 and when utilising the test data to determine conformance with any specification or process requirement. With respect to the UOP methods listed in the report below the user is referred to the method and the statement within it specifying that the precision statements were determined using UOP Method 999. This Test Report is issued under the Company's General Conditions of Service (copy available upon request or on the company website at www.sgs.com). Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. This report shall not be reproduced except in full, without the written approval of the laboratory.

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REPORT DATE: 14/04/2016

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## Analysis Report: ST16-02129.001

WARNING: The sample to which the findings recorded herein relate was drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample. The Company accepts no liability with regard to the origin or source from which the sample is said to be extracted.

JOB ORDER NO. :	OPCSH1600924-02CG	BOSS ORDER NO.:	--
CLIENT ID :		PRODUCT DESCRIPTION :	Refrigerant - R134a
LOCATION :	N/A		
SAMPLE SOURCE :	Supplied by Client		
SAMPLE TYPE :	N/A		
SAMPLED :	--	RECEIVED :	07/04/2016
ANALYSED :	14/04/2016	COMPLETED :	14/04/2016
CONTAINER:	1 Cylinder		

PROPERTY	METHOD	RESULT UNITS	MIN	MAX
Purity of R-134a	AHRI 700 Appendix C Part 9	99.91 % (m/m)	99.5	--
Halogenated unsaturated Volatile Impurities Content	AHRI 700 Appendix C Part 9	<0.004 % (m/m)	--	0.004
Acidity (as HCl)	AHRI 700 Appendix C Part 1	NO DETECT mg/kg	--	1
Chloride	AHRI 700 Appendix C Part 4	Pass ---	--	--
Non-Condensable Gas at 25°C	AHRI 700 Appendix C Part 5	0.30 % (V/V)	--	1.5
Water	AHRI 700 Appendix C Part 2	7 mg/kg	--	10
High Boiling Residue	AHRI 700 Appendix C Part 3	<0.01 % (V/V)	--	0.01
Particulates/Solids	AHRI 700 Appendix C Part 3	Pass ---	--	--

**\*\* End of Analytical Results \*\***

The results shown in this test report specifically refer to the sample(s) tested as received unless otherwise stated. All tests have been performed using the latest revision of the methods indicated, unless specifically marked otherwise on the report. Precision parameters apply in the determination of the below results. Users of the data shown on this report should refer to the latest published revisions of ASTM D3244; IP 367 and ISO 4259 and when utilising the test data to determine conformance with any specification or process requirement. With respect to the UOP methods listed in the report below the user is referred to the method and the statement within it specifying that the precision statements were determined using UOP Method 999. This Test Report is issued under the Company's General Conditions of Service (copy available upon request or on the company website at www.sgs.com). Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. This report shall not be reproduced except in full, without the written approval of the laboratory.

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