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<u>R134A gas (1,2,2,2-TETRAFLUOROETHANE)</u>					
1 <u>GENERAL</u> This specification covers the requirement of R134a (1,2,2,2-TETRAFLUOROETHANE) gas. 2 <u>APPLICATION</u> R134a (1,2,2,2-TETRAFLUOROETHANE) is used as test gas for centrifugal compressor. 3 <u>MATERIAL</u> Gas 4 <u>DIMENSIONS & TOLERANCES</u> Net weight of gas is 825 kg in a tonner. Allowed variation in Net gas weight is +/- 25 kg. 5 <u>COLOUR</u> Color Less. 6 <u>TECHNICAL REQUIREMENTS</u> - PHYSICAL STATE: Gas - APPEARANCE: Clear - COLOR: Colorless - ODOR: Sweet odor - MOLECULAR WEIGHT: 102.03 - MOLECULAR FORMULA: F-C-H₂-C-F₃ - BOILING POINT: -26.3 deg C - PH: Neutral - VOLATILITY: 100% - Critical temperature: 373.75 K - Critical Pressure: 40.195 ata (kg/cm²). - Purity :99.9% and above. - Maximum water content allowed 10 PPM - Must be non-condensable gas in the pressure range of 0.1 kg/cm² to 25 kg/cm² and in temperature range of 15 Deg C and 200 Deg C. - REACTIVITY: shall be Stable at normal temperatures and pressure. - Tonner pressure: 6.6 bar at 25 deg.					
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7 TEST CERTIFICATE

Copies of test certificate with chromatograph to be provided.

8 PACKING AND MARKING

- Material shall be supplied in tonners which are hydrostatically tested and approved by concerned authorities.

9. OTHER REQUIREMENTS:

- MSDS shall be provided along with the consignment.
- Shall not cause any major Physical hazard, health hazard, environmental hazard.
- Shall not be a regulated gas by Indian government bodies.

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