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Mixture of Helium 85% and Nitrogen 15%.

1 GENERAL

This specification covers the requirement of Mixture of Helium 85% and Nitrogen 15%.

2 APPLICATION

To use as calibration gas for Micro Gas Chromatograph Equipment.

3 MATERIAL

Gas

4 DIMENSIONS & TOLERANCES

Shall be supplied in 1.6 Litre (+/- 0.1 Lt) aluminum canister with 70 kg/cm² pressure.

5 COLOUR

Color Less.

6 TECHNICAL REQUIREMENTS

- PHYSICAL STATE: Gas
- APPEARANCE: Clear
- COLOR: Colorless
- Composition: Helium 85 % and Nitrogen 15%
- Maximum water content allowed 10 PPM
- REACTIVITY: shall be Stable at normal temperatures and pressure.
- Volume of canister: 1.6 liter water capacity
- Pressure in the canister 70 kg/cm²(+/-1 kg/cm²).
- Validity: 12 months. Manufacturing date shall be after PO date.

7 TEST CERTIFICATE

Copies of test certificate with chromatograph to be provided.

8 PACKING AND MARKING

- Material shall be supplied in canister with pressure gauge fitted.

9. OTHER REQUIREMENTS:

Shall not cause any major Physical hazard, health hazard, environmental hazard

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