

Product Name:	<b>Diethyl ether</b>		
Grade:	LR (Laboratory Reagent)	CASR No.:	[60-29-7]
Specification No.:	143.S.LR	Molecular formula:	(C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub> O
Rev.No.	00	Molecular wt.:	74.12
Product Code	143	Effective date:	-----

**CHARACTERS:**

Description: A clear colourless liquid.

Solubility/Miscibility: Miscible with methanol, soluble in water.

**Tests:**

Sr. No.	Tests	Specification	Reference
1.	Specific density at 20°C	0.713 to 0.717	In-house
2.	Refractive index, 20°C± 0.5°C	1.351 to 1.353	In-house
3.	Boiling point (34°C-35°C)	NLT 95% collect between 34°C to 35°C	In-house
4.	Assay (By GC)	NLT 99.00%	In-house
5.	Titration acid	NMT 0.0002 meq/g	In-house
6.	Peroxides (H <sub>2</sub> O <sub>2</sub> )	NMT 1ppm	In-house
7.	Non-volatile matter	NMT 0.003%	In-house
8.	Water content	NMT 0.20%	In-house

**Storage:**

- Stored in segregated, well ventilated area.
- Keep container tightly closed and away from heat sources.
- Do not store above 30°C.

**Revision History:**

Sr. No.	Revision No.	Remarks /CC No.
1.	00	New specification.

	Name	Designation	Sign/Date
Prepared By			
Reviewed By			
Approved By			