



Lake Chemicals Pvt. Ltd.

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CERTIFICATE OF ANALYSIS

PRODUCT NAME : DIAZEPAM PHARMACOPOEIA : Ph. Eur.
BATCH No. : 867026001C REFERENCE :
MFG. DATE : FEBRUARY - 2026 EXPIRY DATE : JANUARY - 2031
DATE OF ANALYSIS : 29/06/2026 CONTROL NO. : C/26/158/01
MANUFACTURED BY : M/s LAKE CHEMICALS PVT. LTD, BANGALORE, INDIA

TESTS	SPECIFICATION	RESULT
APPEARANCE	A white or almost white, crystalline powder	Almost white crystalline Powder
SOLUBILITY	Very slightly soluble in water, soluble in ethanol (96%)	Complies
IDENTIFICATION A. BY IR	A. The IR absorption spectrum of sample should be concordant with the IR absorption spectrum of Diazepam working standard.	Complies
RELATED SUBSTANCES (By HPLC)	i) Impurity - A NMT 0.10% ii) Impurity - B NMT 0.10% iii) Impurity - E NMT 0.10% iv) Any Unspecified Impurities NMT 0.10% v) Total Impurities NMT 0.20%	Below disregard limit Not detected Not detected Not detected Below disregard limit
LOSS ON DRYING	NMT 0.50%	0.22%
SULPHATED ASH	NMT 0.10%	0.03%
ASSAY (By Potentiometry) (On dried basis)	99.0% w/w to 101.0% w/w	99.9%
**RESIDUAL SOLVENTS (By GC)	Methanol NMT 3000 ppm Ethyl Acetate NMT 5000 ppm Toluene NMT 890 ppm Isopropyl Alcohol NMT 5000 ppm Ethanol NMT 5000 ppm	Not detected Not detected Not detected Not detected Not detected
*PARTICLE SIZE	90% Less than 20 microns	10.8 microns

**Additional In-house Test

*Additional tests and limits as per party's requirement.

CONCLUSION: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATION.

PREPARED BY : CHECKED BY : APPROVED BY :

(OFFICER - QC)

DATE

LC/QC/F/022/R3

(HEAD - QC)

DATE

(HEAD - QA)

DATE

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