



Lake Chemicals Pvt. Ltd.

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CERTIFICATE OF ANALYSIS

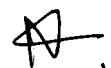
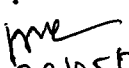
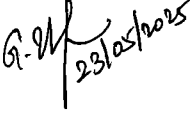
PRODUCT NAME : CLONAZEPAM **PHARMACOPOEIA REFERENCE** : USP
BATCH No. : 807025009A **A.R No** : FPR/25/139
MFG. DATE : MAY - 2025 **EXPIRY DATE** : APRIL - 2030
DATE OF ANALYSIS : 21/05/2025 **CONTROL No** : C/25/139/01
MANUFACTURED BY : M/s LAKE CHEMICALS PVT. LTD, BANGALORE, INDIA.

TESTS	SPECIFICATION	RESULT
DESCRIPTION	A light yellow powder, having a faint odor.	A light yellow powder, having a faint odor.
SOLUBILITY	Insoluble in water; Sparingly soluble in acetone and in Chloroform; slightly soluble in alcohol and in ether.	Complies
IDENTIFICATION (BY IR)	The IR absorption spectrum of sample Should be concordant with the IR absorption spectrum of Clonazepam working standard.	Complies
MELTING RANGE	Between 237°C and 240°C	238°C to 239°C
LOSS ON DRYING	NMT 0.50%	0.27%
RESIDUE ON IGNITION	NMT 0.10%	0.07%
*HEAVY METALS	NMT 20 ppm	Less than 20 ppm
LIMIT OF CLONAZEPAM RELATED COMPOUND 'C' (BY TLC)	NMT 0.20%	<0.20%
RELATED COMPOUNDS (BY HPLC)	a) Clonazepam related compound A NMT 0.10% b) Clonazepam related compound B NMT 0.10% c) Any other impurity NMT 0.20% d) Total other impurities NMT 0.30%	0.02% Not Detected 0.04% 0.09%
ASSAY (BY HPLC) (ON DRIED BASIS)	98.0%w/w to 102.0%w/w	99.7%
**RESIDUAL SOLVENTS (BY GC)	Methanol NMT 3000 ppm Acetone NMT 5000 ppm Toluene NMT 890 ppm Iso propyl alcohol NMT 5000 ppm	32 ppm Not detected Not detected 319 ppm

** Additional In-house test

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

CONCLUSION: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS.

PREPARED BY :  CHECKED BY :  APPROVED BY : 
(OFFICER - QC) : 23/05/2025 (HEAD-QC) : 23/05/2025 (HEAD-QA)
DATE : DATE : DATE :
LC/QC/F/022/R3 Page: 1 of 1

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GST NO : 29AAACL3683K1Z3

