



Lake Chemicals Pvt. Ltd.

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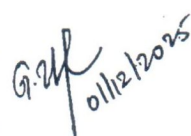
CERTIFICATE OF ANALYSIS

PRODUCT NAME : ALPRAZOLAM **PHARMACOPOEIA** : USP
BATCH No. : 800025018A **REFERENCE**
MFG. DATE : NOVEMBER - 2025 **A.R No** : FPR/25/283
DATE OF ANALYSIS : 21/11/2025 **EXPIRY DATE** : OCTOBER - 2030
MANUFACTURED BY : M/s LAKE CHEMICALS PVT. LTD, BANGALORE, INDIA **CONTROL No** : C/25/283/01

TESTS	SPECIFICATION	RESULT
DESCRIPTION	A white to off white, crystalline powder	A white crystalline Powder.
SOLUBILITY	Freely soluble in chloroform, soluble in alcohol, sparingly soluble in acetone, slightly soluble in ethyl acetate, Insoluble in water.	Complies
IDENTIFICATION A) By IR B) By HPLC	A. The IR absorption spectrum of sample Should be concordant with IR absorption spectrum of Alprazolam working standard. B. The retention time of the major peak in the chromatogram of the Test preparation should corresponds to that in the chromatogram of the standard preparation, as obtained in the assay.	Complies Complies
MELTING POINT	About 225°C	230.8°C
LOSS ON DRYING	NMT 0.50%	0.27%
RESIDUE ON IGNITION	NMT 0.50%	0.06%
ORGANIC IMPURITIES (By HPLC)	Alprazolam related compound A 2-Amino-5-Chlorobenzophenone Individual unspecified impurity *Total unspecified impurities *Total impurities	NMT 0.15% NMT 0.15% NMT 0.10% NMT 0.20% NMT 0.25%
ASSAY(ON DRIED BASIS) (By HPLC)	98.0% to 102.0% w/w	Not detected Not detected 0.02% 0.04% 0.04%
* PARTICLE SIZE	90% Less than 20 microns	99.3%

* 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) (HEAD -QC) (HEAD -QA)
DATE : 01/12/2025 DATE : 01/12/2025 DATE : 01/12/2025

LC/QC/F/022/R3

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