CERTIFICATE OF ANALYSIS

(Certificate No. KMM155005-01)

Release Date: 10/10/2025 **Re-test Date:** 09/10/2028

Modafinil USPRS

Identification

Chemical Name :
2-[(Diphenylmethyl)sulfinyl]acetamide ; 2-(Benzhydrylsulfinyl)acetamide

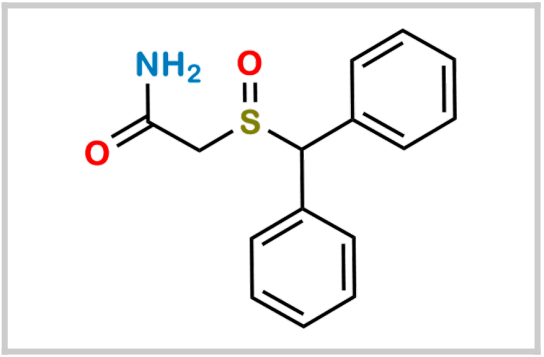
Alt. Name : (±)-Modafinil

CAT No. : KMM155005

CAS No. : 68693-11-8

Molecular Formula : C15H15NO2S

Molecular Weight : 273.4



Analytical Information

Batch No. : M155005-102-333

Description : White Solid

HPLC Purity : 99.67 %

Weight Loss By TGA : 0.16 %

% Potency : 99.51 %

Solubility : Methanol

Mass : Confirm as Na adduct

IR : Confirm

1H NMR : Confirm

13C NMR : Confirm

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be Shipped at Room Temperature

% Potency = [100 - 0.16(Weight Loss By TGA)] x [99.67(HPLC Purity)]/100 = 99.51 %
USP Catalog No & Lot No :-1445404 - R200B0

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Bhargav Kathiriya		10/10/2025
Reviewed & Approved By	Quality Control	Viraj Akabri		10/10/2025

Attachments : COA, HPLC, MASS, 1HNMR, 13C NMR, IR and TGA