

CERTIFICATE OF ANALYSIS

(Certificate No. KMP028004-01)

Release Date: 03/05/2025

Re-test Date: 02/05/2028

BENZOPHENONE IMPURITY OF PHENYTOIN

Identification

Chemical Name :
Diphenylmethanone

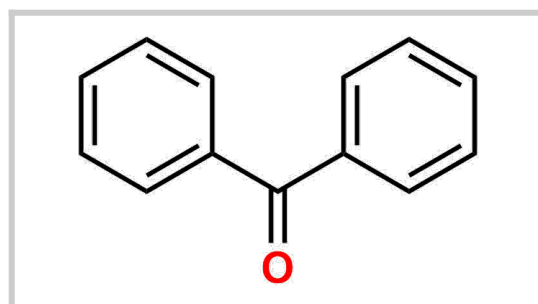
Alt. Name : Benzophenone

CAT No. : KMP028004

CAS No. : 119-61-9

Molecular Formula : C₁₃H₁₀O

Molecular Weight : 182.2



Analytical Information

Batch No. : OXA-BENZO-030-072

Description : White Solid

HPLC Purity : 98.35 %

Weight Loss By TGA : 2.41 %

% Potency : 95.98 %

Solubility : Methanol

Mass : Confirm

IR : Confirm

¹H 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 - 2.41(Weight Loss By TGA)] x [98.35(HPLC Purity)]/100 = 95.98 %
-Re-tested on 03.05.2025

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		09/05/2025
Reviewed & Approved By	Quality Control	Jatin Patel		09/05/2025

Attachments : COA, HPLC, MASS, ¹HNMR, IR and TGA