CERTIFICATE OF ANALYSIS

(Certificate No. KMA018013-01)

Release Date: 15/06/2026 **Re-test Date:** 14/06/2029

Atenolol EP Impurity E

Identification

Chemical Name :
2,2′-[(2-Hydroxypropane-1,3-diyl)bis(oxy-4,1-phenylene)]diacetamide (as per EP & USP)

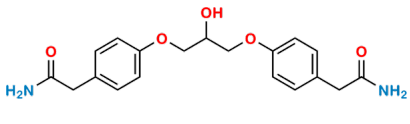
Alt. Name : Atenolol USP Related Compound E ; Atenolol Bis Ether

CAT No. : KMA018013

CAS No. : 141650-31-9

Molecular Formula : C19H22N2O5

Molecular Weight : 358.4



Analytical Information

Batch No.	: A018013-136-015	**Solubility**	: DMSO
Description	: Off White Solid	**Mass**	: Confirm
HPLC Purity	: 93.33 %	**IR**	: Confirm
Weight Loss By TGA	: 0.74 %	**1H NMR**	: Confirm
% Potency	: 92.64 %		

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 - 0.74(Weight Loss By TGA)] x [93.33(HPLC Purity)]/100 = 92.64 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		15/06/2026
Reviewed & Approved By	Quality Control	Jatin Patel		15/06/2026

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