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## CERTIFICATE OF ANALYSIS

Analysis Date:

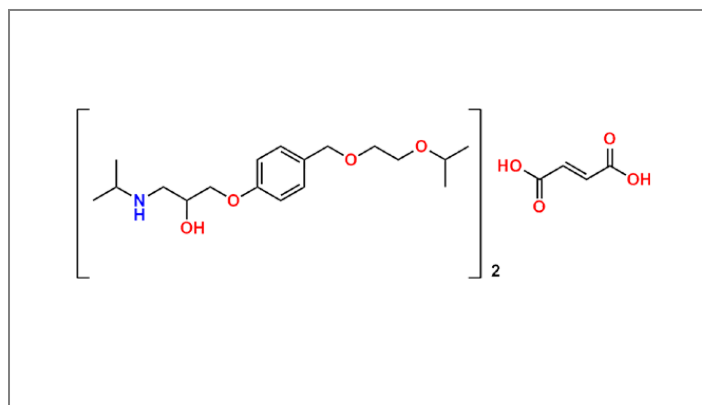
Re-test Date:

**Product Name: Bisoprolol Fumarate (In House Standard)**

**Identification:**

Chemical Name: (2RS)-1-[4-[[2-(1-Methylethoxy)ethoxy]methyl]phenoxy]-3-[(1-methylethyl)amino]propan-2-ol fumarate

Synonyms : NA  
CAS Number : 104344-23-2  
CAT Number : CP-B14026  
Molecular Formula : C<sub>18</sub>H<sub>31</sub>NO<sub>4</sub> : 1/2(C<sub>4</sub>H<sub>4</sub>O<sub>4</sub>)  
Molecular Weight : 325.4 : 1/2(116.1)



**Analytical Information:**

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>98%
5)	H1NMR	Confirm to structure
6)	Weight loss by TGA	-
7)	Potency by TGA	-



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.