



CERTIFICATE OF ANALYSIS

PRODUCT NAME : BES BUFFER FOR BIOCHEMISTRY

(N,N-Bis(2-Hydroxyethyl)-2-aminoethanesulfonic acid)

CAS No : 10191- 18- 1

Mol. Formula : C₆H₁₅NO₅S

Mol. WT : 213.25

Date of analysis : 07/06/23

Product code : 12790

Batch No : MCM-5582

Mfd. : June 2023

Exp. : May 2028

S. R	Test	Specification	Observation
1	Description	A White powder or crystalline powder.	A white crystalline powder
2	Assay (Alkalimetric)	99 % min.	99.62%
3	Identity (IR)	Passes test	Passes test
4	UV-Absorption (250nm,5%,1cm,water)	0.05 max	0.03
5	Chloride (Cl)	0.005%max	<0.005%
6	Sulphate (SO ₄)	0.005%max	<0.005%
7	Heavy metals (as Pb)	0.0005%max	<0.0005%
8	Sodium (Na)	0.01%max	<0.01%
9	Loss on drying (105 ⁰ c)	0.5%max	0.22%
10	Biological buffer pK _a at 20 ⁰ c	7.15	7.15

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

**CHEMIST
(Sonu)**

**HEAD-QUALITY ASSURANCE
(G.G.Salian)**

Note: Computer generated image requires no sign.

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**Works: Plot No. B/9, Badlapur M.I.D.C., OPP.Shobhavat Textile Co.,
Kulgaon, Badlapur (E), Dist.-Thane-421 503**