



CERTIFICATE OF ANALYSIS

Date: 13/04/16

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

Exp. : March 2021

Product code : 12790

Batch No : MCR -11515

Mfd. : April 2016

S. R	Test	Specification	Observation
1	Assay (Alkalimetric)	99 % min.	99.2%
2	Identity (IR)	Passes test	Passes test
3	UV-Absorption (250nm,5%,1cm,water)	0.05 max	0.013
4	Chloride (Cl)	0.005%max	<0.005%
5	Sulphate (SO ₄)	0.005%max	<0.005%
6	Heavy metals (as Pb)	0.0005%max	<0.0005%
7	Sodium (Na)	0.01%max	<0.01%
8	Loss on drying (105 ⁰ c)	0.5%max	0.33%
9	Biological buffer pK _a at 20 ⁰ c	7.15	7.15

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

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

Note: Computer generated image requires no sign.

MOLYCHEM Office: 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai – 400 002 (INDIA)

Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442. Email : info@molychem.net

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