



CERTIFICATE OF ANALYSIS

Date: 24/02/14

PRODUCT NAME : BES BUFFER FOR BIOCHEMISTRY

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

CAS No : 10191- 18- 1

Mol. Formula : $C_6H_{15}NO_5S$

Mol. WT : 213.25

Product code : 12790

Batch No : MCR 7861

Mfd . : Feb. 2014

S. R	Test	Specification	Observation
1	Assay (Alkalimetric)	99 % min.	99.15%
2	Identity (IR)	Passes test	Passes test
3	UV-Absorption (250nm,5%,1cm,water)	0.05 max	0.032%
4	Chloride (Cl)	0.005%max	<0.005%
5	Sulphate (SO ₄)	0.005%max	<0.005%
6	Heavy metals (Pb)	0.0005%max	<0.0005%
7	Sodium (Na)	0.01%max	<0.01%
8	Loss on drying (105 ⁰ c)	0.5%max	0.18%
9	Biological buffer pK _a at 20 ⁰ c	7.15 max	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.

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