



## CERTIFICATE OF ANALYSIS

Date: 05/11/17

PRODUCT NAME : L-PHENYLALANINE FOR BIOCHEMISTRY

CAS No	: 63-91-2	Product code	: 16780
Mol. Formula	: C <sub>9</sub> H <sub>11</sub> NO <sub>2</sub>	Batch No	: MCR-14693
Mol. WT	: 165.19	Mfd.	: Nov. 2017
Exp.	: Oct. 2022		

S.R	Test	Specification	Observation
1	Assay (HClO <sub>4</sub> titration)	99 % w/w min	99.47% w/w
2	Heavy metals (as Pb)	0.001% max	< 0.001%
3	Loss on drying at 110°C	0.5% max	0.45%
4	Specific rotation [n] <sup>20</sup> <sub>D</sub> (C=2,water)	- 35 to -33 <sup>0</sup>	- 34 <sup>0</sup>

**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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