



## CERTIFICATE OF ANALYSIS

Date: 14/03/17

**PRODUCT NAME : L-PHENYLALANINE FOR BIOCHEMISTRY**

<b>CAS No</b>	<b>: 63-91-2</b>	<b>Product code</b>	<b>: 16780</b>
<b>Mol. Formula</b>	<b>: C<sub>9</sub>H<sub>11</sub>NO<sub>2</sub></b>	<b>Batch No</b>	<b>: MCR-13349</b>
<b>Mol. WT</b>	<b>: 165.19</b>	<b>Mfd.</b>	<b>: March 2017</b>
<b>Exp.</b>	<b>: Feb. 2022</b>		

S.R	Test	Specification	Observation
1	Assay (HClO <sub>4</sub> titration)	99 % w/w min	99.50% w/w
2	Heavy metals (as Pb)	0.001% max	< 0.001%
3	Loss on drying at 110°C	0.5% max	0.1%
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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