



# Alpha Chemika



ISO 9001 QUALITY SYSTEM CERTIFIED ORGANIZATION

Mohoid Heights, Unit No.5, 4th Floor, Lokhandwala RTO Rd, Off 4 Bungalows, Opp. Versova Tel Exchange, Andheri(W), Mumbai-400053

Tel.: 91-22-65218147 / 40165752 / 26362214 / 40165753

Fax.: 91-22-26317055

Mobile: + 91 98 20 38 57 57

E-mail: [tanmay12@airtelmail.in](mailto:tanmay12@airtelmail.in)

Website: [www.exporterlabchemicals.com](http://www.exporterlabchemicals.com)

## CERTIFICATE OF ANALYSIS

Name Of Item : L-ALANINE

Formula :  $C_3H_7NO_2$

M.W. : 89.09

Batch No. : D0350

CAS NO. : 56-41-7

Cat. No. : AL8042

Date Of Mfg. :

Date of Analysis :

Type Of Test	Standard	Observed
Description	A white crystalline powder	A white crystalline powder
Assay (HClO <sub>4</sub> titration)	Min. 99.0%	99.26%
Heavy metals (as Pb)	<0.001%	<0.001%
Ammonium (NH <sub>4</sub> )	<0.01%	0.007%
Foreign amino acids	<0.3%	0.25%
Other ninhydrin-positive substances (as glycine)	<0.1%	0.06%
specific rotation (α) <sub>20</sub> (C=5 in HCL 1mol/litre)	+14° to +15°	+14°

**Results :** The above product complies with LR grade

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