

# PRODUCT DATA SHEET

USP XXIV Specification

## L-Alanine

CAS No. [56-41-7]

$C_3H_7NO_2$

M.W.: 89.09

**Description:** White crystalline powder

**Identification:** Infrared absorption (197K)

### SPECIFICATION:

Specific rotation (at 20°C)	:	+13.7° to 15.1°
pH	:	between 5.5 and 7.0
Loss on drying	:	not more than 0.2 %
Residue on ignition	:	not more than 0.15 %
Heavy metals	:	not more than 0.0015%
Iron	:	not more than 0.003%
Sulfate	:	not more than 0.03 %
Chloride	:	not more than 0.05 %
Assay	:	not less than 99.0 %
Packaging and storage	:	Preserve in well-closed containers