

## PRODUCT DATA SHEET

### D-Alanine

CAS No. [338-69-2]

$C_3H_7NO_2$

M.W.: 89.09

**Description:** White crystalline powder

#### SPECIFICATION:

Specific rotation $[a]_{20}^D$	:	-13.5 <sup>o</sup> to -15.5 <sup>o</sup> (c=10, 6N-HCl)
Optical purity	:	not less than 99.0%
Sulfates (SO <sub>4</sub> )	:	not more than 0.03%
Heavy metals (as Pb)	:	not more than 20 ppm
Arsenic (As <sub>2</sub> O <sub>3</sub> )	:	not more than 1.5 ppm
Loss on drying	:	not more than 0.5 %
Residue on ignition	:	not more than 0.1 %
Assay (HClO <sub>4</sub> titration)	:	not less than 99.0 %