

# PRODUCT DATA SHEET

## L-GLUTAMINE

CAS No. [56-85-9]

$C_5H_{10}N_2O_3$

M.W.: 146.15

### SPECIFICATIONS

Melting point	:	185 - 186°C (decomp.)
Boiling point	:	Not applicable
Density	:	Not found
Appearance	:	White crystals or crystalline powder, odorless
Identification	:	Pass test
Specific rotation $[\alpha]_D^{20}$	:	+6.3 - +7.3°
pH	:	4.0 - 6.0
Loss on drying	:	Not more than 0.20%
Residue on ignition	:	Not more than 0.10%
Chloride	:	Not more than 0.021%
Sulfate	:	Not more than 0.028%
Arsenic	:	Not more than 1 ppm
Iron	:	Not more than 10 ppm
Heavy metals	:	Not more than 10 ppm
Assay	:	Not less than 98.5%

