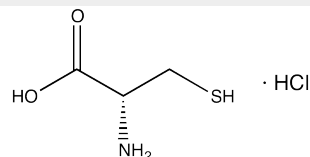


L-Cysteine hydrochloride anhydrous, EssentQ®

Identification

$C_3H_7NO_2S \cdot HCl$
M = 157,62 g/mol
CAS [52-89-1]
EC number: 200-157-7
Taric code: 2930 90 16



Synonyms

Thioserine

Applications

in biochemistry, in food industry, antioxidant.

Specifications

assay (argentometric).....	min. 98 %	ammonium (NH ₄).....	max. 0,01 %
identity (IR-spectrum).....	passes test	arsenic (As).....	max. 0,0005 %
specific rotation. ([α] 20°/D, c=1, 0,1N HCl).....	+ 5.6 ° - + 8.9 °	heavy metals (as Pb).....	max. 0,001 %
phosphates (as PO ₄).....	max. 0,005 %	iron (Fe).....	max. 0,001 %
sulfates (SO ₄).....	max. 0,005 %	residue on ignition.....	max. 0,1 %
		loss on drying (vacuum on P ₂ O ₅).....	max. 2 %

Physical data

- Solub. in water: (20 °C): soluble
- Melting point: 175 - 178 °C (decomposes)
- Hygroscopic

Transport/storage

- 10°C - 30°C