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## SPECIFICATION SHEET

Cat No.: BIO-436

Product: **L-CYSTEINE HYDROCHLORIDE ANHYDROUS**  
((R)-2-Amino-3-mercaptopropionic acid hydrochloride: L-Cys-OH•HCl)

CAS Number: [52-89-1]

Chemical Formula: C<sub>3</sub>H<sub>7</sub>NO<sub>2</sub>S.HCL.xH<sub>2</sub>O

Molecular Weight: 157.70

Melting Point: 175-181°C

Appearance: White powder

Specific rotation: +5.6° ~ +8.9°

State of solution: 90.0% min

Iron (Fe): 15 ppm max

Heavy Metals: 15 ppm max

Arsenic: 1 ppm max

Loss on drying: 5.00%

PH: 1.5 ~ 2.0

Storage: Cool dry place

Assay: 98.0-102.0%



