

Specification

Technical Data Sheet

CAS**52-90-4****STORAGE****2 to 8 °C****MOLECULAR WEIGHT****121.16****PRODUCT****L-Cysteine (TF)**

Product number	90030874
CAS number	52-90-4
Molecular formula	HSCH ₂ CH(NH ₂)CO ₂ H
Molecular weight	121.16 g/mol

PARAMETER**SPECIFICATION**

Appearance	White Crystalline Powder
Assay	98.5 - 101.5%
Grade	Conforms to USP 42
Loss on Drying	<0.5%
pH	4.5 - 5.5
SO ₄	<0.03%
Specific rotation	+8.3°~ +9.5°
Bioburden	<50CFU/g
Chloride (Cl-)	<0.2%
Endotoxin	<0.02EU/mg
Heavy Metals (Pb)	<10ppm
Iron (Fe)	<10ppm
NH ₄	<0.02%
Residue on Ignition	<0.1%
State of Solution	>98%
Arsenic (As)	<1ppm

SPECIFICATION STATEMENT	The values stated above represent the standard specification for this product, issued under Molekula Ltd 's quality management system. Batch-specific results are provided on the Certificate of Analysis.
STORAGE	Store as indicated on the product label, away from light, moisture and incompatible materials.

Molekula Ltd would like to thank you for your support of our products and service.

Reg No 6879903 VAT GB 744 9721 05