

Analytical Data Sheet

Lot number **1076174**
not for drug use

Catalog number **B-4030.0005**
Product number **4039171.0005**
Product **Fmoc- L- cysteic acid · disodium salt**
Molecular formula $C_{18}H_{15}NNa_2O_7S$
Relative molecular mass 435.37

Tests	Results
Appearance of container	the container is in good condition and the label displays the correct product name.
Appearance	white powder
Appearance of solution	slightly turbid solution (50 mg/mL in water)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -11.2^\circ$ (1% in water)
Purity (HPLC)	99.3% (TFA)
Related impurities (HPLC)	< 0.1% Fmoc- β -Ala-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% H-Cys-OH
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 acetonitrile/H ₂ O 7/3 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	0.1% D-Enantiomer
Other amino acids (GC)	< 0.2%
Assay (elemental analysis)	98.3% (Cth 49.66%, Cfd 48.81%)
Water content (KF volumetric)	1.7%

Latest update: March 26, 2018

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