

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	11179
Lot Number	000127-1047759
Product	Fmoc-S-sulfo-L-cysteine disodium

Fmoc-L-Cys(SO₃H)-OH•disodium salt

CAS Number	163558-30-3
Molecular Formula	C ₁₈ H ₁₅ NNa ₂ O ₇ S ₂
Molecular Weight	467.43

Appearance	White powder
Solubility	Clear, colorless solution (50 mg/mL in dioxane 50%)
Water Content (Karl Fisher)	4.5%
TLC System	Chloroform/ methanol/ acetic acid 32% (5:3:1) Acetonitrile/ water (7:3) Chloroform/ methanol/ acetic acid/ water (60:45:14:6) Plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = - 41.2 ° (C=1 in water)
Related Substances	< 0.2% H-Cys(SO ₃ H)-OH • sodium salt
Assay	94.4% (Cfd 43.67% by elemental analysis)
D-Enantiomer	0.2%
Purity by HPLC	98.8% (TFA)
Purity by TLC	> 99%
Chiral Purity	99.8% (ee)
Storage	Store at RT
Additional Information	Acetic Acid content: 0.006%

Certificate of Analysis

Catalog Number: 11179

Lot Number: 000127-1047759

Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager