

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	10021
Lot Number	000127-1060614
Product	Suc-Ala-Glu-Pro-Phe-pNA

CAS Number	128802-76-6
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Molecular Formula	C ₃₂ H ₃₈ N ₆ O ₁₁
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Molecular Weight	682.69
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Appearance	White powder
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Solubility	Clear colorless solution (50 mg/ml in dioxane)
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Water Content (Karl Fisher)	1.4%
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TLC System	Chloroform/methanol/acetic acid/water (45/13/1/2) Ethylacetate/pyridine/acetic acid/water (60/20/6/11) Chloroform/methanol/acetic acid/water (85/13/0.5/1.5) Plate: Silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
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Residual Solvents	By GC: 1.9% ether 1.2% dimethylformamide 1.4% ethylacetate
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Related Substances	< 0.1% pNa
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Assay by titration	94.6% (TBAH)
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Purity by HPLC	99.2% (TFA) 98.9% (NaClO ₄)
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Purity by TLC	> 99%
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Storage	Store at ≤ -4°C
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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