

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	03133
Lot Number	001497-2016061401
Product	Methyl (S)-(+)-2-pyrrolidone-5-carboxylate

Pyr-OMe

Methyl L-pyroglutamate

CAS Number	4931-66-2
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Molecular Formula	C ₆ H ₉ NO ₃
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Molecular Weight	143.1
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Appearance	Colorless to yellowish liquid
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Water Content (Karl Fisher)	0.12%
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Optical Rotation	[α] _D ²⁰ = +9.58° (C=1 in EtOH)
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Residual Solvents	Toluene: 0.12%
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Purity by HPLC	97.17%
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Chiral Purity	> 99% (ee)
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Storage	Store at 0-8 °C
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Remarks	See material safety data sheet for additional information For laboratory use only
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The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager