

Specification Sheet

Product Name : L-Glutamic acid monosodium salt monohydrate $\geq 98.0\%$ (NT)

Product Number : 49621

Product Brand ALDRICH

CAS Number 6106-04-3

Molecular Weight 187.13

TEST

SPECIFICATION

APPEARANCE (COLOR)	Colorless or White
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APPEARANCE (FORM)	Crystals
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TITRATION (NT) HClO ₄ 0.1M	98.0 - 102.0 %
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PURITY (TLC AREA %)	$\geq 98.0\%$
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SPECIFIC ROTATION (20/D)	-4.2 ± 0.3 Degrees
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CONCENTRATION	C=1.25 IN WATER
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SOLUBILITY (COLOR)	Colorless
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SOLUBILITY (TURBIDITY)	Clear
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SOLUBILITY (METHOD)	1G IN 10ML WATER
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CARBON CONTENT	32.09 % (THEORY)
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HYDROGEN CONTENT	5.39 % (THEORY)
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NITROGEN CONTENT	7.49 % (THEORY)
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PROTON NMR SPECTRUM	CONFORMS TO STRUCTURE
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RECOMMENDED RETEST PERIOD	36 MONTHS
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