

Specification

Bicine for buffer solutions

A1024

Solubility:	100 g/L (H ₂ O)
Physical Description:	Solid
Product Code:	A1024
Product Name:	Bicine for buffer solutions
Specifications:	<p>Assay (titr.): min. 99 %</p> <p>pH (1 %; H₂O; 20°C): 4.0 - 5.0</p> <p>Heavy metals (as Pb): max. 0.0005 %</p> <p>Water: max. 1 %</p> <p>A (1 cm/0.1 M in H₂O)</p> <p>260 nm: max. 0.08</p> <p>280 nm: max. 0.05</p>
WGK:	1
Storage:	RT
Molecular Formula:	C ₆ H ₁₃ NO ₄
M:	163.17 g/mol
CAS:	150-25-4
EINECS:	205-755-1
CS:	29225000
Comment	<p>Bicine is a versatile buffer. Its applications last from enzyme reaction buffers (T4 polynucleotide kinase ref. 4; Micrococcus nuclease ref. 5; adenylate cyclase ref. 6) to electrophoresis buffers (3). Bicine interferes with the BCA and Lowry protein assay. Ferricyanide slowly oxidizes bicine. In addition, its strong binding of copper ions may be disturbing. The working concentration lasts from 3 to 100 mM.</p>

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Bibliography

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