

Specification

**Tricine *BioChemica***

**A1085**

<b>Physical Description:</b>	Solid
<b>Product Code:</b>	A1085
<b>Product Name:</b>	Tricine <i>BioChemica</i>
<b>Specifications:</b>	<p>Assay (titr.): min. 99 %</p> <p>pH (1 %; H<sub>2</sub>O; 25°C): 4.6 - 5.6</p> <p>IR spectrum: passes test</p> <p>Water: max. 0.3 %</p> <p>Chloride: max. 0.1 %</p> <p>Sulfate: max. 0.005 %</p> <p>Fe: max. 0.0005 %</p> <p>Pb: max. 0.0005 %</p> <p>A (1 cm/0.1 M in H<sub>2</sub>O)</p> <p>260 nm: max. 0.04</p> <p>280 nm: max. 0.02</p>
<b>WGK:</b>	1
<b>Storage:</b>	RT
<b>Molecular Formula:</b>	C <sub>6</sub> H <sub>13</sub> NO <sub>5</sub>
<b>M:</b>	179.17 g/mol
<b>CAS:</b>	5704-04-1
<b>EINECS:</b>	227-193-6
<b>CS:</b>	29225000
<b>Comment</b>	<p>Tricine may substitute Tris in many assay systems, even with some advantages (2). Tricine weakly binds Mg<sup>2+</sup>, Ca<sup>2+</sup> and Mn<sup>2+</sup> stronger and Cu<sup>2+</sup> strongly. If Cu<sup>2+</sup> is added to the Folin protein assay, it does not interfere.</p>

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### **Bibliography**

(1)Good, N.E. et al. (1966) *Biochemistry* **5**, 467-477Hydrogen ion buffers for biological research. (2)Good, N.E. & Izawa, S. (1972) *Methods Enzymol.* **24**, 53-68Hydrogen ion buffers. (3)Ferguson, W.J. et al. (1980) *Anal. Biochem.* **104**, 300-310Hydrogen ion buffers for biological research.

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