


Specification

MOPS for buffer solutions

A1076

Physical Description:	Solid
Product Code:	A1076
Product Name:	MOPS for buffer solutions
Specifications:	<p>Assay (titr.): min. 99.5 %</p> <p>pH (0.1 M; H₂O): 3.5 - 4.5</p> <p>Fe: max. 0.0005 %</p> <p>Pb: max. 0.001 %</p> <p>A (1 cm/0.1 M in H₂O)</p> <p>260 nm: max. 0.05</p> <p>280 nm: max. 0.05</p>
Hazard pictograms	
WGK:	1
Storage:	RT
Signal Word:	Attention
GHS Symbols:	GHS07
H Phrases:	<p>H315</p> <p>H319</p> <p>H335</p>
P Phrases:	<p>P261</p> <p>P280</p> <p>P304+P340</p> <p>P305+P351+P338</p> <p>P405</p>

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A1076

	P501
Molecular Formula:	C ₇ H ₁₅ NO ₄ S
M:	209.27 g/mol
CAS:	1132-61-2
EINECS:	214-478-5
CS:	29349990
Comment	MOPS interferes with the Folin (Lowry) protein assay, but not the Biuret protein assay. It doesn't bind metal ions and decomposes partially, when autoclaved in the presence of glucose.
Bibliography	(1)Good, N.E. & Izawa, S. (1972) <i>Methods Enzymol.</i> 24 , 53-68Hydrogen ion buffers. (2)Ferguson, W.J. et al. (1980) <i>Anal. Biochem.</i> 104 , 300-310Hydrogen ion buffers for biological research.

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