


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>280 nm: max. 0.05</p> <p>260 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> |

AppliChem GmbH

Ottoweg 4 • D-64291 Darmstadt • Phone +49 6151 9357 0 • Fax +49 6151 9357 11 • info.de@itwreagents.com • www.itwreagents.com
 CEO Joan Roget • Commerzbank Darmstadt • Bank 508 800 50 • Account 0186989900 IBAN DE24 5088 0050 0186 9899 00 • Swiftcode DRESDEFF508 • Finanzamt Darmstadt 07 228 16476 • Register court Darmstadt HRB Nr. 7340

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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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