



MP Biomedicals, LLC

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## Certificate of Analysis

**Product Description:** 1-Heptanesulfonic Acid Sodium Salt Monohydrate  
**Catalog Number:** 151239  
**Lot:** Q7909

**Formula:**  $C_7H_{15}O_3SNa \cdot H_2O$   
**CAS #:** 207300-90-1  
**Physical Description:** White Crystalline Powder

**Formula Weight:** 220.27  
**Storage:** 15 - 30°C

| Test          | Specification                        | Result                               |
|---------------|--------------------------------------|--------------------------------------|
| Identity Test | Passes                               | Passes                               |
| Purity        | ~98%                                 | 99.9%                                |
| Moisture      | 7.4-9.0%                             | 8.2%                                 |
| FTIR          | Conforms to Standard                 | Conforms to Standard                 |
| UV/VIS:       | (60 mg/ml in water adjusted to pH 3) | (60 mg/ml in water adjusted to pH 3) |
| OD210 nm      |                                      |                                      |
| OD220 nm      | <1.0                                 | 0.042                                |
| OD254 nm      | <0.1                                 | 0.020                                |
| OD280 nm      | <0.04                                | 0.006                                |
|               | <0.04                                | 0.003                                |

Solubility (10% aq soln): Clear & Colorless  
Solubility (0.4% MeOH): Clear  
OD200 nm (0.25M solution): 0.027 AU  
OD230 nm (0.25M solution): 0.005 AU  
OD240 nm (0.25M solution): 0.004 AU  
OD250 nm (0.25M solution): 0.004 AU  
Recommended Retest Date: 02/28/2020

11/01/2017 - John Huang, PhD  
MP Biomedicals, LLC.  
Quality Control Manager

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