



Certificate of Analysis

Sodium Chloride 0.9% (Normal Saline), USP Sterile Grade

Product Number: Z1377
Product Size: 6 x 1L

Lot Number: 21910171
Date of Manufacture: 10/2017
Expiration Date: 4/2019
Storage Temperature: 15 - 30° C

BASIS FOR RELEASE

| CHEMICAL ANALYSIS | | | |
|-------------------------|-----------|---|-------------------|
| Test | Method | Specification | Result |
| Appearance | Visual | Clear Liquid | Clear Liquid |
| Chloride Identification | USP <191> | Passes Test | Pass |
| Concentration (w/v) | USP | 0.855 - 0.945% | 0.904% |
| Conductivity @ 25°C | USP <645> | 15.0 - 17.6 mS/cm | 15.65 mS/cm |
| Endotoxin | USP <85> | < 0.5 EU/mL | <0.005 EU/mL |
| Iron | USP <241> | Passes Test | Pass |
| NaCl (g/L) | USP | 8.55 - 9.45 g/L | 9.04 g/L |
| Particulate Matter | USP <788> | ≤ 3 particles per mL that are ≥ 25µm in size | 0 particles/mL |
| Particulate Matter | USP <788> | ≤ 25 particles per mL that are ≥ 10µm in size | 0.07 particles/mL |
| pH | USP <791> | 4.5 - 7.0 | 5.55 |
| Sodium Identification | USP <191> | Passes Test | Pass |
| Sterility | USP <71> | No Growth | No Growth |

STATEMENT FOR USE

This product is for further manufacturing, laboratory, or research use only.
Not intended for direct human or veterinary parenteral administration or where prohibited by law.

Approval

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| Quality Assurance - Print Name: Emily Sorensen | Quality Assurance - Sign Name: | Date: 07 Nov 2017 |
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