



ChemPure Brand Chemicals  
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# Certificate of Analysis

## Sodium Thiosulfate, 0.100 Normal (N/10)

Lot Number: 4103L89

Product Number: CP-2497

Manufacture Date: 04/02/2021

Expiration Date: 03/20/2023

The certified value for this product is confirmed in independent testing by a second qualified chemist. This product is specially formulated to increase its stability. A preservative is added to prevent bacterial contamination. However, all Sodium Thiosulfate solutions are subject to slow chemical deterioration and should be restandardized periodically.

| Name                            | CAS#        | Grade           |
|---------------------------------|-------------|-----------------|
| Water                           | 7732-18-5   | ACS/ASTM/USP/EP |
| Sodium Thiosulfate Pentahydrate | 10102-17-7  | ACS             |
| Organic Preservative            | Proprietary |                 |
| Sodium Carbonate                | 497-19-8    | ACS             |

| Test                                | Specification           | Result           | NIST SRM# |
|-------------------------------------|-------------------------|------------------|-----------|
| Appearance                          | Colorless liquid        | Passed           |           |
| Assay (vs. Potassium Iodate/Starch) | 0.0999-0.1001 N at 20°C | 0.1000 N at 20°C | 136       |

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

| Part Number | Size / Package Type | Shelf Life (Unopened Container) |
|-------------|---------------------|---------------------------------|
| CP-C2497P   | 4 L natural poly    | 24 months                       |
| CP-E2497    | 20 L Cubitainer®    | 24 months                       |

Recommended Storage: 15°C - 30°C (59°F - 86°F)

Jon Russell  
Quality Control Supervisor

This Certificate of Analysis is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."