

# Certificate of Analysis

## Starch Indicator, 1% (w/v), Mercury Free, for Iodometric Titrations

**Lot Number:** 1402993

**Product Number:** 8050

**Manufacture Date:** FEB 06, 2024

**Expiration Date:** JAN 2026

This product is Mercury-free.

| Name            | CAS#      | Grade           |
|-----------------|-----------|-----------------|
| Water           | 7732-18-5 | ACS/ASTM/USP/EP |
| Starch, soluble | 9005-84-9 | ACS             |
| Salicylic Acid  | 69-72-7   | ACS             |

| Test                | Specification                                     | Result |
|---------------------|---|--------|
| Appearance          | White translucent liquid                          | Passed |
| Suitability for Use | Colorless (Iodine absent) - Blue (Iodine present) | Passed |

| Specification                      | Reference           |
|------------------------------------|---------------------|
| Starch Solution                    | EPA (345.1)         |
| Starch Solution                    | EPA (320.1)         |
| Starch Indicator                   | EPA (330.1)         |
| Starch Indicator                   | EPA (376.1)         |
| Starch Indicator                   | EPA (330.3)         |
| Starch indicator, 1%               | TAPPI (T 622 cm-84) |
| Starch Indicator                   | EPA (330.2)         |
| Starch Solution                    | EPA (360.2)         |
| Starch Indicator Solution (10 g/L) | ASTM (E 200)        |

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) |
|-------------|---------------------|---------------------------------|
| 8050-1      | 4 L natural poly    | 24 months                       |
| 8050-32     | 1 L natural poly    | 24 months                       |

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



Heidi J Green (02/06/2024)

Operations Manager

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

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