

Certificate of Analysis

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

Lot Number: 4404L86

Product Number: 8050

Manufacture Date: APR 23, 2024

Expiration Date: JUN 2025

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 |

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

A handwritten signature in blue ink that reads "Paul Brandon". The signature is written in a cursive style with a large initial "P".

Paul Brandon (04/23/2024)
Production Manager

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