

Advanced Instruments

Cryoscope standards

REF	3LA023	Ten 10 mL ampules of 422 m ^o H (-408 m ^o C)
	3LA033	Ten 10 mL ampules of 621 m ^o H (-600 m ^o C)

Intended use:

Cryoscope standards are used to calibrate and/or check the performance of your cryoscope. These standards should only be used in accordance with the cryoscope that is being calibrated. Refer to the instrument User's Guide for calibration instructions.

Ingredients:

These standards are prepared from salts. 2-hydroxybiphenyl sodium salt tetrahydrate, 0.01%, is added as a preservative. The constituents are adjusted to the levels listed under *Expected values*.

Instructions for use:

1. Carefully snap off the top of the ampule.
2. Obtain samples with clean sample tips.

Storage and handling:

- Dispose of any opened ampules at the end of the testing day.
- Do not freeze.

Storage	Stability
Unopened 2 - 30°C (36-86°F)	Refer to expiration date on the box.

Limitations:

If there is visible evidence of microbial growth in the ampules, **do not** use the calibration standards. Erroneous results can occur from adverse shipping and/or storage conditions, use of expired materials, or sample handling errors.

Expected values:

The expected values and range serve as a guide in evaluating instrument performance.

Expected values	Expected ranges
422 m ^o H (-408 m ^o C) 621 m ^o H (-600 m ^o C)	420 - 424 m ^o H (-406 - -410 m ^o C) 619 - 623 m ^o H (-598 - -602 m ^o C)

Interpretation of results:

The expected values are also relative to the calibration of the instrument and the tolerance of the instrument (± 2 m^oH/m^oC). If results fall outside of the expected range, it may indicate unsatisfactory calibration, operator error, contamination of reagents, or faulty performance of the equipment.

Disposing of materials:

Handle this product according to established good laboratory practices, using appropriate precautions. Dispose materials according to your institution's practices. Discard all materials in a safe and acceptable manner that is in compliance with all country, state and local requirements.

