Advanced Instruments

Cryoscope standards

REF	3LA022	One 110 mL bottle of 422 mºH (-408 mºC)
	3LA027	One (1) 110 mL bottle of 530 mºH (-512 mºC)
	3LA032	One (1) 110 mL bottle of 621 mºH (-600 mºC)

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, and 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:

- Keep tightly covered at all times.
- Do not pipette directly from bottle. Pour solution into another container for use. Do not return surplus to bottle.
- Obtain samples with clean sample tips.

Storage and handling:

- Do not use a bottle that is less than ¼ full.
- 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 bottles, **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 ranges serve as a guide in evaluating instrument performance.

Expected values	Expected ranges
422 m°H (-408 m°C) 530 m°H (-512 m°C) 621 m°H (-600 m°C)	420 - 424 m°H (-406 - -410 m°C) 528-532 m°H (-510 - -514 m°C) 619 - 623 m°H (-598 - -602 m°C)

Interpretation of results:

The expected values are also relative to the calibration of the instrument and the tolerance of the instrument (±2 m°H/m°C). 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.

ADVANCED INSTRUMENTS

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