

Reference Solution Against Holmium Oxide - Tech Information

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When performing wavelength accuracy checks using **Holmium Oxide** standards, a suitable reference solution is essential to ensure accurate baseline correction and spectral comparison.

Recommended Reference Solution

- Recommended Reference Solutions: Use deionized or purified water, or the Reference Solution provided in our Chemical Solutions brand UV/Vis kit, as your reference solution.
- Why It Matters: The lowest absorbance peak in the Holmium Oxide Wavelength Calibration Solution occurs at 241 nm. Therefore, any reference material that does not absorb significantly at or near 241 nm is considered suitable.

Why Water Works Well

- High-purity water has minimal absorbance in the UV-visible range above 200 nm.
- It provides a clean baseline, ensuring that the Holmium Oxide spectrum is not distorted by background absorption.

Additional Considerations

- Ensure the reference cuvette is clean and matched to the sample cuvette to avoid optical inconsistencies.
- Avoid using solvents or buffers that may absorb in the UV region, as they can interfere with the calibration peaks.

Click [HERE](#) for ordering information on Chemical Solutions brand PQ Kits.

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