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CERTIFICATION OF ANALYSIS

Product Code: [33817-MOL](#)

Product Description: Molybdate Test Strips, 0-2000 ppm

Each Lot of test strips is tested both for precision and accuracy.

Precision Testing

- 10 strips from each lot are tested simultaneously in a molybdate standard prepared at 150 ppm molybdate from ACS grade Sodium Molybdate Dihydrate.
- Strips are evaluated on a pass/fail basis.
- All 10 strips must pass (little or no variation in color) for the lot to be acceptable.

Accuracy Testing

- Molybdate standards are prepared by serial dilution of a chlorine stock solution.
- Standards are prepared at values of 0, 25, 50, 75, 100, 150, 200, 250, and 300 ppm.
- Following the label instruction, test strips are tested using each standard with results determined by comparing the color developed by the strip against an approved color chart.
- Test strips are accepted if the color developed for the standard being evaluated visually falls within +/- ½ color unit.

<u>Standard Value (ppm)</u>	<u>Acceptable Range (+/- ½ color unit)</u>
300	275-350+
250	225-275
200	175-225
150	125-175
100	87.5-125
75	62.5-87.5
50	37.5-62.5
25	0-37.5

The test strips are guaranteed to perform to specification for a minimum of 3 years from the date of manufacture (lot) date provided the test strips are stored in the original container and kept in a cool, dry environment out of direct sunlight.