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## Product Technical Fact Sheet

Product Code: SUL

Product Description: Sulfite Test Strips

### Application:

The Sulfite test strip measures “free” sulfite in water-based solutions. With the proper sample preparation and verification, the test strip can be used to measure sulfite levels in food or on surfaces. For solutions that contain combined sulfites or SO<sub>2</sub>, the pH of the solution under test must be adjusted above pH 7.

Test Range: 10-500 ppm

Test Increments: Color chart calibrated at increments of 10, 50, 100, 250, and 500 ppm (as Sulfite ion) using Sodium Sulfite standards

Accuracy: +/- ½ color chart unit

Detection Limit: 5 ppm

### Storage Recommendations:

Store in original packaging in a cool (20-30C), dry, place out of direct sunlight.

Shelf-Life: Two years from date of manufacture when stored properly in original packaging.

### Interferences:

- No known interferences with test chemistry; however, the color of the sample can affect the interpretation of the results if the color is absorbed by the test pad.

### Instructions for Use:

1. Remove one test strip from vial. Dip test strip into test solution and swirl three times.
2. Remove strip and after 15 seconds, compare the color of the test pad to the color chart.

### Chemistry Behind the Test:

The chemistry is not well understood. The test pad has been treated with sodium nitroprusside, zinc, and potassium hexacyanoferrate. These chemicals react with free sulfite to produce a red color in proportion to the concentration of sulfite present in the sample.

### Disclaimer:

The Sulfite test strips are not intended for use to diagnose, treat, or monitor any medical condition.