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Product Technical Fact Sheet

Product Code: PSS02V50

Product Description: Ascorbic Acid Test Strips

Application: The ASC test strip is used for testing levels of ascorbic acid (Vitamin C) in water-based solutions or water extracts of food products.

Test Range: 0-0.1% (1000 ppm)

Test Increments: See Color Chart

Accuracy: +/- 1/2 color chart unit

Detection Limit: 0.005% (50 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: Citric Acid will cause color to be more pink/purple – see link on label for details

Instructions for Use:

- Remove one Ascorbic Acid test strip from the vial and close cap.
- Dip the strip into the solution to be tested for 2 seconds.
- Remove the strip and compare to the color chart after 30 seconds.

Chemistry Behind the Test:

The test pad is treated with a formula consisting of buffers, surfactants, and a red-ox indicator (2,6-dichlorophenolindophenol). The presence of ascorbic acid in a sample causes the red-ox indicator to go from blue to colorless in proportion to the amount of ascorbic acid present. In this case, the more ascorbic acid present the less color that develops.

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