

## Product Technical Fact Sheet

Product Code: ASC

Product Description: Ascorbic Acid (Vitamin C) 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.

Instructions for Use:



Test Range: 0-0.1% (1000 ppm)

Accuracy: +/- ½ color chart unit

Test Increments: See Color Chart

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

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.