

ABSTRACT

METHOD FOR EVALUATING SULFUR COMPOUND-CONTAINING SUBSTANCE, AND METHOD FOR QUANTIFYING VOLATILE LOW MOLECULAR WEIGHT SULFUR COMPOUND

Provided is a method for evaluating freshness (redox level) or the like of a test substance such as an agricultural crop, on the basis of analysis results of a plurality of sulfur compounds and a plurality of sulfur metabolism-related compounds. Provided is a method for quantifying a volatile low-molecular-weight sulfur compound by liquid chromatography mass spectrometry technique. This method for evaluating a sulfur compound-containing substance for evaluating a plurality of test substances comprises the steps of: providing quantitative values of a plurality of sulfur compounds and a plurality of sulfur metabolism-related compounds for each of the test substances; analyzing analysis values of the test substances, including the quantitative values, by multidimensional scaling, and creating a scatter diagram having two or more types of scales selected from redox level, contribution of microbial metabolism, anti-oxidative capacity, or aroma or odor; and assessing redox level, contribution of microbial metabolism, anti-oxidative capacity, or aroma or odor of the test substances, on the basis of the positions on the scatter diagram.

FIG. 1