

[54] METHOD FOR DETERMINATION OF NITRATE AND/OR NITRITE

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[21] Appl. No.: 361,586

[22] Filed: Mar. 25, 1982

Related U.S. Application Data

[63] Continuation of Ser. No. 174,690, Aug. 1, 1980, abandoned.

[51] Int. Cl.³ G01N 21/76

[52] U.S. Cl. 436/110; 436/172; 436/175; 422/52

[58] Field of Search 23/230 PC, 232 C, 232 E, 23/927; 422/52; 423/405, 402; 436/110, 172, 436/177, 175

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[57] ABSTRACT

A technique of determination of nitrate-nitrite content of a test sample, without also determining additional nitrogen content. The technique is highly selective and sensitive, to the parts per billion level. The nitrate-nitrite content of a sample is reduced to nitric oxide which is determined via its chemiluminescence reaction with ozone. Nitrite is selectively reduced under mild conditions and the total nitrate-nitrite content is determined by stronger reduction conditions. Specific reducing agents to be used in combination with the chemiluminescence reaction are also provided.

4 Claims, No Drawings