

## **Identification of amino acids in binary mixtures with the use of artificial neural networks**

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### **Abstract**

The paper develops the technique of applying the method of artificial neural networks for processing of the spectrophotometric data in order to determine the phenylalanine and tyrosine in undivided binary mixtures of these amino acids at microgramm concentrations. Calculated error in the determination is: minimum of 1%, the maximum does not exceed 10%. The maximum error is observed for mixtures in which the content components differ by an order or more.