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**ВИКОРИСТАННЯ РЕАКЦІЇ АЗОСПОЛУЧЕННЯ ДЛЯ ВИЗНАЧЕННЯ  
2,6-ДИНІТРО-3,4-ДИМЕТИЛАНІЛІНУ МЕТОДОМ ВЕРХ**

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**USING AZO COUPLING REACTION TO DETERMINE THE 2,6-DINITRO-3,4-  
DIMETHILANILINE BY METHOD HPLC**

The the **4-methoxy-3,5-dimethylaniline** (DDA) is the product of biodegradation of many pesticide active ingredients pendimethalin, phentripanyl etc, who have or have had wide application in agriculture for the cultivation of various crops. Melting point 96,8 °C In addition to pesticides commonly used in the synthesis of dyes, pigments, pharmaceuticals, and other important products. DDA has toxic and carcinogenic.

For conversion to the hydrophobic form DDA and improved metrological characterization used derivatization reaction with 4-nitrophenyldiazonium cation with forming triazenes DDA. Formation azoderivates largely depends on the pH of the medium. To study this effect derivatization reaction was carried out in a wide range of hydrogen ion concentration of 2.3 to 13,1 pH. Important for the formation of triazenes DDA has a reagent concentration. Infra-red spectra were recorded by Abatop, firm Nicolatt (USA) spectrometer with KBr pellets. Liquid chromatography was carried out in Perkin-Elmer chromatograph with a spectrophotometer detector. A stainless steel column (250×4.6 mm) was filled with Silasorb C18. The chromatography was performed in a mode of isocratic elution of movable phase content (acetonitrile : water = 2 : 1). The flow rate was 1 M. The chromatography results were processed using the programs "Multichrom" and "Millenium".. For extraction and retrieve azoderivates investigated several organic solvents hexane, toluene, *o*-xylene, dichloromethane, chloroform, dichloroethane, ethyl acetate, butyl acetate, isoamyl acetate.

The method of determining DDA in soils and into wastewater by high performance liquid chromatography with a spectrophotometer detector. Technique developed and tested in DDA determining a triazine HPLC in soils and wastewater. The method was tested on simulated samples and real objects. Present metrological processing of the results. This simple, sensitive and accurate method provides an alternative way to rapidly analyze and monitor DDA A in soils and wastewater samples. Method can be used to determine the DDA and other objects at some refinement analysis techniques.