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Spectrophotometric

Determination Of

**Spectrophotometric**  
Acetaminophen Content

**Determination Of**

**Acetaminophen Content**

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*Page 1/35*

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**Simultaneous spectrophotometric  
determination of ...**

Paracetamol, Spectrophotometric,  
8-Hydroxyquinoline, 2-Naphthol.

INTRODUCTION: Paracetamol is a

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N-(4-hydroxyphenyl)acetamide. It has antipyretic, analgesic and anti-inflammatory actions. It has a highly targeted action in the brain, blocking of an enzyme involved in the transmission of pain.

**Development of a UV-**

*Page 6/35*

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Determination Of

Acetaminophen Content

**spectrophotometric method for the ...**

A simple and rapid derivative spectrophotometric assay procedure is described for the analysis of caffeine (1), acetaminophen (2), and propyphenazone (3) in tablet formulations. The concentration range of application is 5.0–25.0  $\mu\text{g}\cdot\text{cm}^{-1}$  for 2 and 3 and 1.0–5.0

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Determination Of  
 $\mu\text{g}\cdot\text{cm}^{-1}$  for 1.  
Acetaminophen Content

**Spectrophotometric Determination of  
Acetaminophen by ...**

Small amounts of p -aminophenol present in acetaminophen were quantitatively determined by applying the procedure to a water-ethanol (955 v/v) extract of the



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samples of acetaminophen. TLC was used to separate the respective Schiff bases from the reaction mixture and acetaminophen prior to spectrophotometric examination.

## **Spectrophotometric Determination of Acetaminophen ...**

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Spectrophotometric determination of acetaminophen, salicylamide and codeine phosphate in tablets. Abstract. An accurate and simple method is proposed for the analysis of a three-component mixture composed of acetaminophen, salicylamide and codeine phosphate, without the necessity for the previous separation of

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Determination Of  
any component.  
Acetaminophen Content

**Spectrophotometric determination of  
acetaminophen content ...**

A new spectrophotometric method for the determination of Acetaminophen (Paracetamol) (ACT) in pure form is described. The procedure is based on the

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Determination Of

Acetaminophen Content

blue colour developed, when the ACT reacts with molybdato-phosphoric acid (MPA) in acidified solution under heat treatment.

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**Determination of Paracetamol in ...**

An ultraviolet spectrophotometric method

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Acetaminophen Content  
has been developed for the determination of acetaminophen, phenylephrine hydrochloride, codeine phosphate, and pyrilamine maleate after a partial separation of them by means of column chromatography using alginate acid; codeine phosphate and phenylephrine hydrochloride are both eluted with 0.01 N

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Acetaminophen Content

HCl and determined simultaneously while acetaminophen and pyrilamine maleate are determined separately.

## **Spectrophotometric Determination Of Acetaminophen Content**

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acetaminophen content of different brands  
of paracetamol tablets from South-West

Nigeria 1Ogunneye Adeyemi Lawrence,

3Adewuyi, Gregory Olufemi,

2Omoboyowa Damilola Alex and 3Saraye

Taiwo Kayode 1Department of Petroleum

and Chemical Sciences, Tai Solarin

University of Education, Ijagun, Ogun

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Determination Of  
State, Nigeria  
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**Spectrophotometric determination of  
acetaminophen ...**

This research involved the development of spectrophotometric method for determination of Ibuprofen (IB), Caffeine (CAF)) in mixture of standard and



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Acetaminophen Content

manufactured tablets without any separation method between the two drugs in the mixture.

**SPECTROPHOTOMETRIC  
DETERMINATION OF  
PARACETAMOL DRUG USING ...**

A specific spectrophotometric method was

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### Determination Of

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developed for the determination of p-aminophenol and acetaminophen. The method is based on the reaction of p-aminophenol at ambient temperature with sodium sulphide in presence of an oxidant to produce a methylene blue-like dye. Different oxidizing agents were tried, e.g. Ce(IV) and Fe(III).

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**Spectrophotometric determination of p-aminophenol alone or ...**

Spectrophotometric determination of acetaminophen and dichloralantipyrine in capsules The determination of acetaminophen is based on the ability of its hydrolytic product, p-aminophenol, to

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Acetaminophen Content

produce an intensive yellow color with vanillin.

## **Spectrophotometric determination of paracetamol and caffeine**

Spectrophotometric Determination of Caffeine in Pharmaceuticals Two chemometric calibration techniques such

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as inverse least squares (ILS) and principal component analysis (PCA) or (factor based) have been used for the spectrophotometric determination of metamizol, acetaminophen, and caffeine in pharmaceuticals [ 12 ].

## **Development of a Rapid Derivative**

*Page 21/35*

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Determination Of

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In this study, a simple, rapid and inexpensive method for simultaneous spectrophotometric determination of PCT, PHEN and CHL is proposed. Due to the heavily overlapped data, this method processed by multivariate calibration techniques including PCR and two

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versions of the PLS algorithm: PLS1 and PLS2 and determined their concentration, both in their mixtures and a tablet formulation.

## **Spectrophotometric Determination of Acetaminophen ...**

A spectrophotometric method is proposed

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for the determination of paracetamol in pure form and in tablets. The method depends on reaction of the drug with ammonium molybdate in strongly acidic...

## **Spectrophotometric Analysis of Caffeine**

A simple and sensitive spectrophotometric



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method for the assay of three antipyretic drugs through their nitration and subsequent complexation with an nucleophilic reagent is proposed. The experimental conditions leading to optimum chromagen stability and intensity were studied. The results of the application of the

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**Spectrophotometric determination of  
acetaminophen ...**

determination of aspirin and  
acetaminophen in tablets by FT-Raman  
spectroscopy. Criado et al. (2000) showed  
continuous flow spectrophotometric  
determination of paracetamol in

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Acetaminophen Content

pharmaceuticals following continuous  
microwave assisted alkaline hydrolysis.

Pufal et al. (2000) determined paracetamol  
(acetaminophen) in ...

## **Spectrophotometric determination of acetaminophen ...**

The excess or the lack of acetaminophen

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Determination Of

Acetaminophen Content

contents obtained in the spectrophotometric results using by this method may be due to the effect of interference i.e. the excipients used in formulation. Any ingredients added to paracetamol formulation contain

**Spectrophotometric determination of**

*Page 28/35*

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Determination Of  
**acetaminophen content ...**

An ultraviolet spectrophotometric method has been developed for the determination of acetaminophen, phenylephrine hydrochloride, codeine phosphate, and pyrilamine maleate after a partial separation of them by means of column chromatography using alginic acid;

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Determination Of

codeine phosphate and phenylephrine hydrochloride are both eluted with 0.01 N HCl and determined simultaneously while acetaminophen and pyrilamine maleate are determined separately.

**Spectrophotometric determination of acetaminophen and ...**

*Page 30/35*

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A derivative spectrophotometric method has been developed for the simultaneous determination of acetaminophen, diphenhydramine hydrochloride and pseudoephedrine hydrochloride in pharmaceutical dosage forms. The developed method is simple, accurate, cost effective, and practical for routine quality

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control analysis.  
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**Selective spectrophotometric  
determination of p ...**

An ultraviolet spectrophotometric method has been developed for the determination of acetaminophen, phenylephrine hydrochloride, codeine phosphate, and



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## Determination Of

## Acetaminophen Content

pyrilamine maleate after a partial separation of them by means of column chromatography using alginic acid; codeine phosphate and phenylephrine hydrochloride are both eluted with 0.01 N HCl and determined simultaneously while acetaminophen and pyrilamine maleate are determined separately.

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**A Rapid Spectrophotometric Method to  
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UV-Visible Spectrophotometric Method  
Development and ...

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*Page 34/35*

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[afb365a2e8ec39bd60bd163407b2f6f1](#)  
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