

Application Note

Betamethasone in Syrup Formulation

Waters Corporation



This is an Application Brief and does not contain a detailed Experimental section.

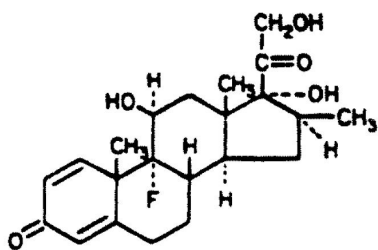
Abstract

This application brief demonstrates analysis of betamethasone in syrup formulation.

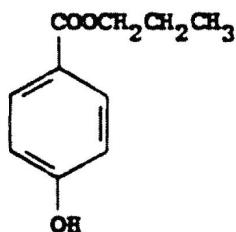
Introduction

The compounds used in this study are -

Compounds	USP Tailing Factors
Betamethasone	1.14
Propylparaben (I.S.)	1.12



1. Betamethasone



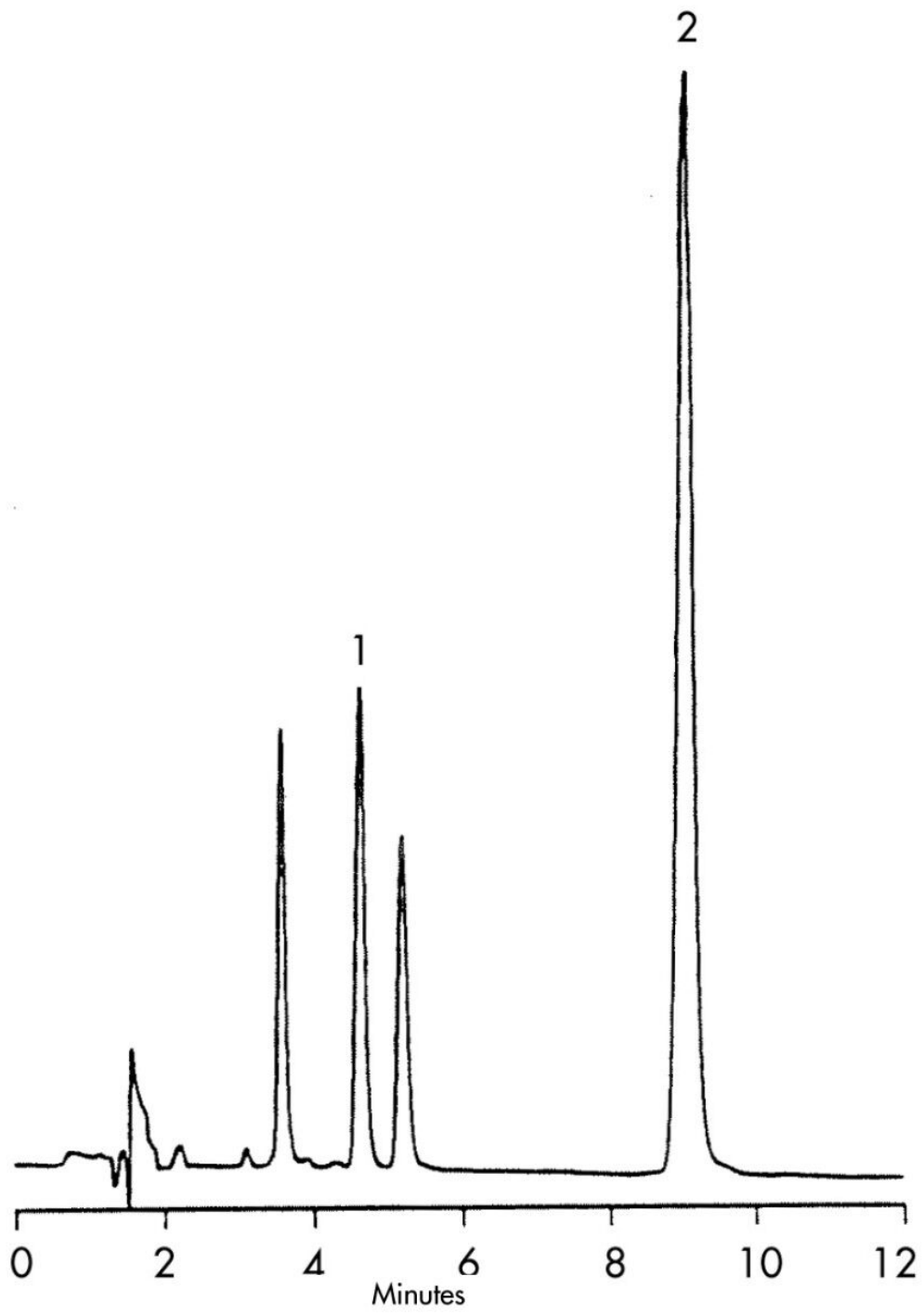
2. Propylparaben (I.S.)

Experimental

HPLC Method

Column:	Symmetry C ₈ , 3.9 x 150 mm, 5 μm
Guard column:	Sentry Guard Column 3.9 x 20 mm, 5 μm
Part numbers:	Column - WAT046970, Guard - WAT054250
Mobile phase:	Water/acetonitrile/phosphoric acid 63:37:0:1
Flow rate:	1.0 mL/min
Injection volume:	10 μL of 150 μg/mL sample
Detection:	UV @ 254 nm

Results and Discussion



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