

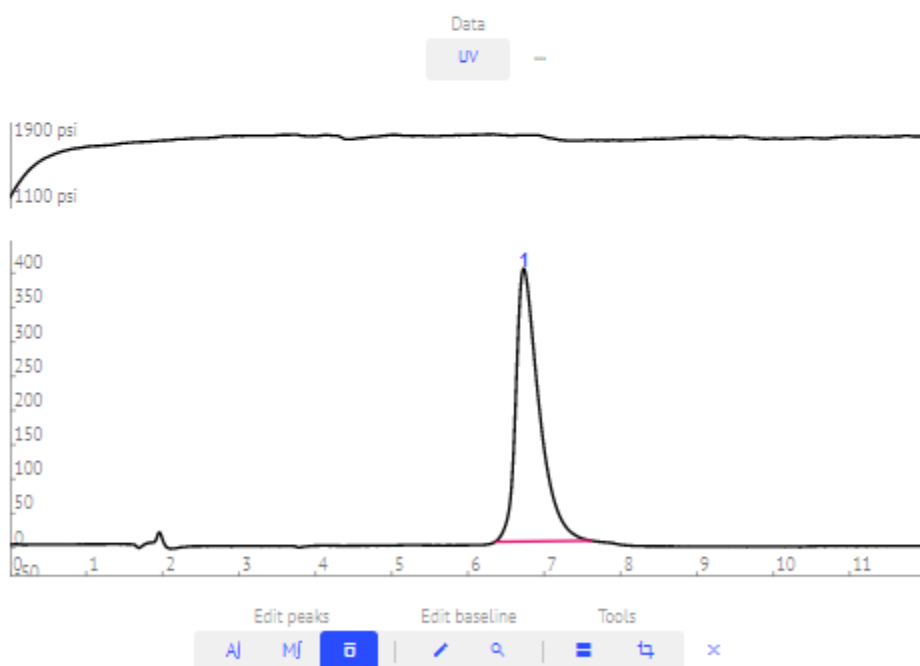


HPLC Method for Analysis of Aspirin, acetylsalicylic acid (ASA) in Alka-Seltzer Extra Strength Effervescent Aspirin ((NSAID)) on Primesep 100 Column

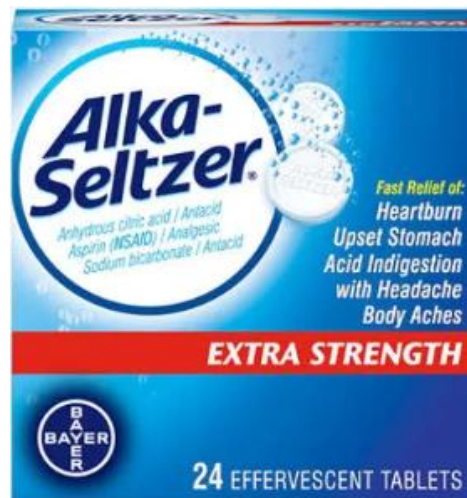
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Sample injection 9/9/2022 3:02 PM  Completed

Device Vial E4
Method MeCN/H₂O/H₃PO₄- 15/85/0.3%_12_1 
Run time 12 min Injection 1.0 µl in 300 sec
Flow rate 0.20 mL/min
Column Primesep 100_H 
Serial T4H Length x ID 100 x 2.1 mm
Type 100-21.050.0510 Particle, pore size 5 µm, 100 Å
Lot M01-040 Max pressure 2000 psi



#	Time	Area	Compound	Amount
1	6.731	139.639	Aspirin	10 mg/ml



The crushed tablet was transferred to a 50mL measuring flask and diluted with water until 50 mL of total volume was obtained.

The solution was then filtered through a 0.45µm filter and further diluted ten times. 1µL of the solution was then injected directly into the HPLC for analysis.

Column:	Primesep 100
Column size:	2.1 x 100 mm, 3 µm
Column part number:	100-21.100.0310
Mobile phase:	MeCN/H ₂ O – 15/85%
Buffer:	H ₃ PO ₄ - 0.4%
Flow rate:	0.2 mL/min
Injection volume:	1 µl
Detection:	UV 275 nm