

CoreFocus Report

No.594

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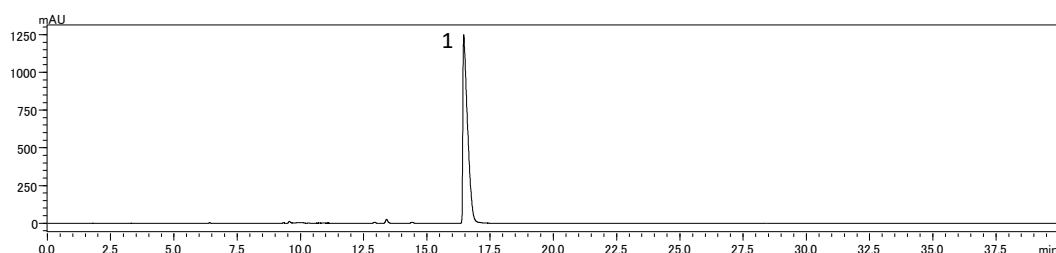
Reversed-phase

Shim-pack™ Series

Shim-pack NovaCore C18-HB

Analysis of Nicotine according to USP method

Keywords: alkaloid, neurotoxin



1. Nicotine

System	: Nexera™ X3
Column	: Shim-pack NovaCore C18-HB (150 mm x 4.6 mm I.D., 5 µm)*
Mobile phase	: A: 25 mL of 1 mol/L acetic acid + 6 mL of ammonium hydroxide solution, pH:10.0 B: Acetonitrile
Gradient program	: 0%B (0-3 min) → 5%B (3.01 min) → 26%B (28 min) → 40%B (32 min) → 0%B (34 min)
Flow rate	: 1.0 mL/min
Column temp.	: 40°C
Injection volume	: 20 µL
Detection	: UV 254 nm

*P/N : 227-32903-11

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