

LC-MS/MS method to quantify Streptomycin and Dihydrostreptomycin in Honey

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Streptomycin in Honey - Objective:

- **LC-MS/MS as confirmation method**
- **Retention of streptomycin and dihydrostreptomycin without using ion pairing reagents**

System

Pump	Surveyor LC-Pump
Injector	Surveyor LC-Autosampler
Detection	Surveyor LXQ Linear Ion Trap MS
Data system	Xcalibur: Instrument Setup, Controlling and Reports

Chromatography

Separation Column	Thermo Hypersil GOLD PFP 50 x 2,1 mm ID; 1,9 µm
Eluent A:	Water (0.01 % H ₃ C-COOH)
Eluent B:	Methanol (0.01 % H ₃ C-COOH)
Flow:	0.2 mL/min
Temperature:	30 °C
Inj.-Volume:	20 µL
Run Time:	25 min

Mass Detection

Ionization mode	ESI positiv
Spray Voltage	6000 V
Nitrogen Flow	30 Arb
Capillary Temperature	300 °C

HMF Content

AG Dihydrostreptomycin LXQ130906/04

RT: 0.00 - 19.99 SM: 7G



