

Low Concentration Spike of Baby Formula Using Melamine Screen on ZB-5ms with MSD (SIM)

Zebron™ ZB-5MS, GC Cap. Column 30 m x 0.25 mm x 0.25 μm, Ea Column:

5% Phenyl-Arylene 95% Dimethylpolysiloxane Phase:

Dimensions: 30 meters x 0.25 mm x 0.25 μm

7HG-G010-11 Order No:

Oven Profile: 75 °C for 1 min to 320 °C @ 15 °C/min for 2.67 min.

Carrier Gas: Constant Flow Helium, 0.9 mL/min

Injection: Splitless: 1 1 µL @ 280°C **Detection:** Refractive Index (320°C)

Analyst Note: Low Concentration Spiked Sample of Baby Formula using Scan Mode.

Analytes were extracted via Liqiud/Liquid Extraction (LLE) method, centrifuged, filtered, and deriviatized with BSTFA in pyridine as per FDA Screening Method. Cyanuric Acid (345*, 330, 188)

Melamine (327*, 342, 197) Ammelide (344*, 329, 198) Ammeline (328*, 343, 285) DACP [IS] (273*, 288, 237)



Products used in this application:



18488 Abundance 3 200000 180000 160000 140000 120000 100000 80000 60000 40000 20000 10 12 13 15 18 min

11

14

16

17

ANALYTES:

- Cyanuric acid
- Ammelide
- 3 DACP
- Ammeline
- Melamine

@2025 Phenomenex Inc. All rights reserved.

For more information contact your Phenomenex Representative at support@phenomenex.com

