

Melamine in Milk Sugar (Lactose) Sample Preparation

1. Intended Use

For the detection of Melamine in milk sugar (lactose). For powdered infant formula, powdered milk/milk solids or whole milk, please see the appropriate application bulletin.

2. Range of Detection

500-12,500 ng/mL (ppb). Samples with higher concentrations must be diluted further and re-analyzed.

3. Materials Required (Not Provided)

Pipettes capable of delivering 100 and 900 μ L

Glass vials with Teflon lined caps

Distilled water

ABRAXIS[®] Melamine ELISA Kit (PN 50005B)

4. Procedure

4.1. Sample (2 gm) should be weight into a glass bottle.

4.2. 50 mL of water is added and mixed by shaking until powder is completely dissolved.

4.3. The sample is now ready to analyze according to the procedure described in the ABRAXIS[®] Melamine Kit package insert.

5. Evaluation of Results

Results obtained for milk sugar prepared as described above must be multiplied by a factor of 25 to account for the sample dilution. Only use results within the analytical range of the assay (20 - 500 ppb). Results lower than the lowest standard (20 ppb) should be reported as < 500 ppb Melamine detected. Results above the highest standard must be diluted and re-analyzed.

6. Performance Data

When using this sample preparation procedure on samples spiked with various amounts of Melamine. Recoveries were between 100 -122 %.

7. For ordering or technical assistance contact

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