ISO 20636:2018 (E)

Infant formula and adult nutritionals — Determination of vitamin D by liquid chromatography-mass spectrometry

Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

4 Principle

5 Reagents and materials

- 5.1 General
- 5.2 Reagent preparation
- 5.3 Standard preparation
- 5.4 Calibration standard solutions

6 Apparatus

7 Sample preparation

- 7.1 Powder sample preparation
- 7.2 Slurry sample preparation
- 7.3 Liquid sample preparation

8 Procedure

- 8.1 Extraction and derivatisation
- 8.2 Chromatography
- 8.3 Mass spectrometry

9 Calculations

10 Results

11 Precision

- 11.1 General
- 11.2 Repeatability
- 11.3 Reproducibility

Annex A (informative) Examples of spectra and chromatograms

Annex B (informative) Precision data

Annex C (informative) Alternative instrument settings

Annex D (informative) Comparison between ISO 20636 and EN 12821

Page count: 24