

ISO 20634:2015-11 (E)

Infant formula and adult nutritionals - Determination of vitamin B12 by reversed phase high performance liquid chromatography (RP-HPLC)

Contents		Page
Foreword		iv
1	Scope	1
2	Terms and definitions	1
3	Principle	1
4	Reagents and materials	1
5	Apparatus	4
6	Procedure	5
6.1	General	5
6.2	Sample preparation	5
6.2.1	General	5
6.2.2	Extraction	6
6.2.3	Sample concentration	6
6.3	HPLC analysis	7
6.3.1	System setup and configuration	7
6.3.2	Instrument operation conditions	7
7	Calculations	8
7.1	General	8
7.2	Calculation of standard solution concentrations	9
7.3	Preparation of standard curves	9
7.4	Calculation of vitamin B12 concentrations in sample solutions	9
Annex A (informative) Examples of chromatograms		10
Annex B (informative) Precision data		11
Annex C (informative) Example of SPE cartridge qualification procedure		13
Bibliography		14