

DIN EN ISO 20541:2008-12 (E)

Milk and milk products - Determination of nitrate content - Method by enzymatic reduction and molecular-absorption spectrometry after Griess reaction (ISO 20541:2008)

Contents		Page
Foreword		3
1	Scope	4
2	Normative references	4
3	Terms and definitions	4
4	Principle	5
5	Reagents	5
6	Apparatus	7
7	Sampling	8
8	Preparation of test sample	8
8.1	Dried milk, dried whey and milk protein concentrates	8
8.2	Caseins and caseinates	8
8.3	Cheese	9
8.4	Whey cheese	9
9	Procedure	9
9.1	Preparation of the test portion	9
9.2	Removal of fat and protein	9
9.3	Reagent blank test	10
9.4	Determination	10
9.5	Calibration	12
10	Calculation and expression of results	12
10.1	Nitrite (matrix blank) content (see Clause 4, Note 3)	12
10.2	Total nitrite/nitrate content	12
10.3	Nitrate content	13
11	Precision	13
11.1	Interlaboratory testing	13
11.2	Repeatability	13
11.3	Reproducibility	14
12	Test report	14
Annex A (informative) Interlaboratory trials		15
Bibliography		18