

DIN EN ISO 15151:2020-10 (E)

Milk, milk products, infant formula and adult nutritionals - Determination of minerals and trace elements - Inductively coupled plasma atomic emission spectrometry (ICP-AES) method (ISO 15151:2018)

Contents		Page
European foreword		3
Foreword		4
1	Scope	6
2	Normative references	6
3	Terms and definitions	6
4	Principle	6
5	Reagents	7
6	Apparatus	8
7	Sampling	9
8	Preparation of test sample	9
	8.1 Milk and whey	9
	8.2 Dried milk, dried whey and infant formula	9
	8.3 Cheese	9
9	Procedure	9
	9.1 Test portion	9
	9.1.1 General	9
	9.1.2 Milk and whey	9
	9.1.3 Dried milk, dried whey, infant formula, butter and cheese	10
	9.1.4 Blank test	10
	9.2 Decomposition of organic matter	10
	9.2.1 Wet digestion	10
	9.3 Determination	10
	9.3.1 Preparation of the test solution	10
	9.3.2 ICP-AES measurement	11
10	Calculation and expression of results	12
	10.1 Calculation	12
	10.2 Expression of test results	12
11	Precision	12
	11.1 General	12
	11.2 Repeatability	13
	11.3 Reproducibility	13
12	Test report	13
Annex A (informative) Precision data		14
Annex B (informative) Notes on the detection technique, interferences and quantification		28
Bibliography		31