

ISO 6101-4:2022-04 (E)

Rubber - Determination of metal content by atomic absorption spectrometry - Part 4: Determination of manganese content

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	2
5	Reagents	2
6	Apparatus	3
7	Sampling	4
8	Procedure	4
8.1	Test portion	4
8.2	Preparation of test solution	4
8.2.1	Destruction of organic matter	4
8.2.2	Dissolution of inorganic residue using hydrochloric acid	4
8.2.3	Dissolution of inorganic residue using nitric acid -- Alternative method	4
8.3	Preparation of the calibration graph	5
8.3.1	Preparation of calibration solutions	5
8.3.2	Spectrometric measurement of the calibration solutions	5
8.3.3	Plotting the calibration graph	5
8.4	Determination	5
8.4.1	Spectrometric measurement of the test solution	5
8.4.2	Dilution	6
8.5	Blank determination	6
8.6	Number of determinations	6
9	Expression of results	6
10	Precision	7
11	Test report	7
Annex A (informative) Method of standard additions		9
Annex B (informative) Precision		11
Bibliography		13