

ISO 6331:2024-11 (E)

Chromium ores and concentrates - Determination of chromium content - Titrimetric method

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	1
5	Reagents	2
6	Apparatus	4
7	Sample	4
8	Procedure	5
8.1	Test portion	5
8.2	Blank test	5
8.3	Number of determinations	5
8.4	Decomposition of the test portion	5
8.5	Determination	6
8.5.1	Visual titration	6
8.5.2	Potentiometric titration	6
9	Expression of results	6
9.1	Calculation of chromium content in case of visual titration	6
9.2	Calculation of chromium content in case of potentiometric titration	7
9.3	Conversion from chromium content to chromium oxide content (percentage)	8
9.4	General treatment of results	8
9.4.1	Expression of precision	8
9.4.2	Determination of analytical result	8
9.4.3	Between-laboratories precision	9
9.4.4	Check for trueness	9
9.4.5	Calculation of final result	10
10	Test report	10
Annex A (informative) Additional information on the international interlaboratory test		11
Annex B (normative) Flow chart for the acceptance procedure of test results		18
Bibliography		19