
International Standard



7990

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Manganese ores and concentrates — Determination of total iron content — Titrimetric method after reduction and sulfosalicylic acid spectrophotometric method

Minerais et concentrés de manganèse — Dosage du fer total — Méthode titrimétrique après réduction et méthode spectrophotométrique à l'acide sulfosalicylique

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Foreword

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International Standard ISO 7990 was prepared by Technical Committee ISO/TC 65, *Manganese and chromium ores*.

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Manganese ores and concentrates — Determination of total iron content — Titrimetric method after reduction and sulfosalicylic acid spectrophotometric method

1 Scope and field of application

This International Standard specifies two methods for the determination of the total iron content of manganese ores and concentrates :

method A : titrimetric method after reduction, applicable to products having a total iron content from 1 to 25 % (*m/m*);

method B : sulfosalicylic acid spectrophotometric method, applicable to products having a total iron content from 0,2 to 2 % (*m/m*).

It should be read in conjunction with ISO 4297.

2 References

ISO 4296/1, *Manganese ores — Sampling — Part 1: Increment sampling.*

ISO 4296/2, *Manganese ores — Sampling — Part 2: Preparation of samples.*

ISO 4297, *Manganese ores and concentrates — Methods of chemical analysis — General instructions.*