2 I ANDAND

14204

First edition 1996-07-01

ANSI Internat Doc Sec

Steel and iron — Sampling and preparation of samples for the determination of chemical composition

Fontes et aciers — Prélèvement et préparation des échantillons pour la détermination de la composition chimique



This is a preview of "ISO 14284:1996". Click here to purchase the full version from the ANSI store.

Contents		Page
1	Scope	1
2	Normative references	1
3	Definitions	1
4	Requirements for sampling and sample preparation	2
4.1	General	2
4.2	Sample	2
4.3	Selection of a sample	4
4.4	Preparation of a sample	5
4.5	Safety precautions	7
5	Liquid iron for steelmaking and pig-iron production	7
5.1	General	7
5.2	Spoon sampling	7
5.3	Probe sampling	8
5.4	Preparation of a sample for analysis	8
6	Liquid iron for cast iron production	8
6.1	General	8
6.2	Spoon sampling	9
6.3	Probe sampling	10
6.4	Preparation of a sample for analysis	11
6.5	Sampling and sample preparation for the determination of oxygen, nitrogen and hydrogen	12

All rights reserved Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Case rustate 30 • Chaizh i Geneveze Syntzenand

Printed in Switzerland

[©] ISO 1996

This is a preview of "ISO 14284:1996". Click here to purchase the full version from the ANSI store.

7.1	General
7.2	Spoon sampling
7.3	Probe sampling
7.4	Preparation of a sample for analysis
7.5	Sampling and sample preparation for the determination of oxygen
7.6	Sampling and sample preparation for the determination of hydrogen
8	Pig-irons
8.1	General
8.2	Increment sampling
8.3	Preparation of a sample for analysis
9	Cast-iron products
9.1	General
9.2	Sampling and sample preparation
10	Steel products
10.1	General
10.2	Selection of a preliminary sample or a sample for analysis from a cast product
10.3	Selection of a preliminary sample or a sample for analysis from a wrought product
10.4	Preparation of a sample for analysis
10.5	Sampling of leaded steel
10.6	Sampling and sample preparation for the determination of oxygen
10.7	Sampling and sample preparation for the determination of hydrogen
Annex	res
A	Sampling probes for use with liquid iron and steel
В	Sampling probes for use with liquid steel

This is a preview of "ISO 14284:1996". Click here to purchase the full version from the ANSI store.

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 14284 was prepared by Technical Committee ISO/TC 17, Steel, Subcommittee SC 1, Methods of determination of chemical composition.

It cancels and replaces ISO 377-2:1989, of which it constitutes a technical revision.

Annexes A and B of this International Standard are for information only.