

भारतीय मानक ब्यूरो

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भारतीय मानक मसौदा

वेल्डिंग उपभोग्य — रासायनिक विश्लेषण के लिए एक वेल्ड धातु पैड का निक्षेपण

Draft Indian Standard

WELDING CONSUMABLES — DEPOSITION OF A WELD METAL PAD FOR CHEMICAL ANALYSIS

ICS 25.160.20

Welding General and its Applications
Sectional Committee, MTD 11

Last date of comment:
02/09/2023

NATIONAL FOREWORD

This draft standard is identical to ISO 6847 : 2020 'Welding consumables — Deposition of a weld metal pad for chemical analysis' issued by the International Organization for Standardization (ISO), and subject to its finalization, is to be adopted by the Bureau of Indian Standards on the recommendation of the Welding General and its Applications Sectional Committee and approval of the Metallurgical Engineering Division Council.

The committee decided to adopt ISO 6847 : 2020 standard under dual numbering system.

The text of ISO standard has been approved as suitable for publication as an Indian Standard without deviations. Certain terminologies and conventions are, however, not identical with those used in Indian Standard. Attention is especially drawn to the following:

- Wherever the words 'International Standard' appear referring to this standard, it should be read as 'Indian Standard'.
- Comma (,) has been used as a decimal marker, while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exists. The corresponding Indian Standards which are to be substituted in their place are listed below along with their degree of equivalence for the edition indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 6847 : 2019 Welding and allied processes — Welding positions	Doc : MTD/11/22957 Welding and allied processes — Welding positions	Identical

ISO 14175 : 2008 Welding consumables — Gases and gas mixtures for fusion welding and allied processes

Doc : MTD/11/22962 Welding consumables — Gases and gas mixtures for fusion welding and allied processes

Identical

For the purpose of deciding whether a particular requirement of this standard is complied with the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical-values (*second revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

The scope of the standard is as follows:

SCOPE

This document specifies the procedure to be used for deposition of a weld metal pad for chemical analysis.

This document applies to deposition of a weld metal pad by use of covered electrodes, wire electrodes for gas shielded metal arc welding, tubular cored electrodes for gas shielded metal arc welding and for non-gas shielded metal arc welding, solid rods and tubular cored rods for gas tungsten arc welding, and wire-flux and strip-flux combinations for submerged arc welding or electroslag welding and cladding.

This document is applicable to welding consumables for non-alloy and fine grain steels, high strength steels, creep-resisting steels, stainless and heat-resisting steels, nickel and nickel alloys, and copper and copper alloys.

The complete document/text of ISO 6847 : 2020 'Welding consumables — Deposition of a weld metal pad for chemical analysis' may be made available, on request to:

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