

# TECHNICAL SPECIFICATION



Electric dishwashers for household use – Methods for measuring the  
microbiological efficacy of the dishwashing process



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**Electric dishwashers for household use – Methods for measuring the  
microbiological efficacy of the dishwashing process**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTRIC DISHWASHERS FOR HOUSEHOLD USE –  
METHODS FOR MEASURING THE MICROBIOLOGICAL  
EFFICACY OF THE DISHWASHING PROCESS**

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IEC TS 63331 has been prepared by subcommittee 59A: Electric dishwashers, of IEC technical committee 59: Performance of household electrical appliances. It is a Technical Specification.

The text of this Technical Specification is based on the following documents:

Draft	Report on voting
59A/262/DTS	59A/267/RVDTS

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this Technical Specification is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://www.iec.ch/publications).

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# ELECTRIC DISHWASHERS FOR HOUSEHOLD USE – METHODS FOR MEASURING THE MICROBIOLOGICAL EFFICACY OF THE DISHWASHING PROCESS

## 1 Scope

This document applies to electric **dishwashers** for household and similar use that are supplied with hot and/or cold water.

This document deals with measurement procedures regarding the reduction of microbial contamination resulting from the use of electric **dishwashers** for household and similar use.

This document specifies methods that enable reproducible measurements. These derived measurement results can only be used for a relative statement. Absolute statements, i.e. health-related claims or conclusions about prevention or treatment of a disease or health improvement, are reserved for explicit regulatory action after a medical assessment.

This document does not apply to appliances intended to be used in medical, veterinary, or pharmaceutical applications.

This document does not address sanitization, disinfection or sterilization measures.

The dishwashing process is a complex **operation** consisting of cleaning dish items and cleaning the **dishwasher** itself. This document only focusses on the dish items to be cleaned.

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60436:2015, *Electric dishwashers for household use – Methods for measuring the performance*

IEC 60436:2015/AMD1:2020<sup>1</sup>

ISO 607:1980, *Surface active agents and detergents – Methods of sample division*

ISO 15883-1:2006, *Washer-disinfectors – Part 1: General requirements, terms and definitions and test*

ISO/TS 15883-5:2005<sup>2</sup>, *Washer-disinfectors – Part 5: Test soils and methods for demonstrating cleaning efficacy*

ISO 19458:2006, *Water quality – Sampling for microbiological analysis*

NSF/ANSI 184-2019, *Residential Dishwashers*

<sup>1</sup> A consolidated version of this document exists, comprising IEC 60436:2015 and IEC 60436:2015/AMD1:2020.

<sup>2</sup> This standard has been revised by ISO 15883-5:2021 but the listed edition applies.