

මහජන අදහස් සඳහා ප්‍රමිති කෙටුම්පත  
பொதுசனக் கருத்துரைக்கான கட்டளை வரைவு  
DRAFT STANDARD FOR PUBLIC COMMENT

(වෙනස්වීමට ඉඩ ඇත. திருத்தத்திற்குட்படக்கூடியது. Liable to alteration)

නිකුත් කළ දිනය  
வெளியீட்டுத் திகதி  
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අදහස් එවිය යුතු අවසාන දිනය  
அபிப்பிராயங்களை தெரிப்பதற்கான இறுதித்திகதி  
Latest Date for Receipt of Comments

} 2024-09-26



Draft Sri Lanka Standard  
MICROBIOLOGICAL TEST METHODS FOR WATER  
PART 6: DETECTION AND ENUMERATION OF *LEGIONELLA*  
SECTION 3: QUANTIFICATION OF *LEGIONELLA SPP* AND /OR *LEGIONELLA PNEUMOPHILA* BY CONCENTRATION AND GENIC AMPLIFICATION BY QUANTITATIVE POLYMERASE CHAIN REACTION (QPCR)-ONSITE METHODS  
(DSLS 1461 Part 6 / Section 3:.....)

ජලය සඳහා ක්ෂුද්‍ර ජීව විද්‍යාත්මක පරීක්ෂණ ක්‍රම සඳහා වන ශ්‍රී ලංකා ප්‍රමිති කෙටුම්පත  
6 වන කොටස - *Legionella* හඳුනා ගැනීම සහ ගණනය කිරීම  
3 කාණ්ඩය : සාන්ද්‍රණය සහ ජාන විස්තාරණය කිරීම මගින් ප්‍රමාණාත්මක පොලිමරේස් දාම ප්‍රතික්‍රියාව (qPCR)  
යොදා ගනිමින් *Legionella spp* සහ/හෝ *Legionella pneumophila* ප්‍රමාණ කිරීම - ස්ථානීය ක්‍රම  
(ශ්‍රීලංප්‍ර කෙටුම්පත 1461 – 6 වන කොටස/3 කාණ්ඩය: .....)

මෙම කෙටුම්පත ශ්‍රී ලංකා ප්‍රමිතියක් ලෙස නොසැලකිය යුතු මෙන් ම භාවිතා නොකළ යුතු ද වේ.  
இவ்வரைவு இலங்கைக் கட்டளையெனக் கருதப்படவோ அன்றிப் பிரயோகிக்கப்படவோ கூடாது  
This draft should not be regarded or used as a Sri Lanka Standard.

අදහස් එවිය යුත්තේ : ශ්‍රී ලංකා ප්‍රමිති ආයතනය, 17, වික්ටෝරියා පෙදෙස, ඇල්විටිගල මාවත, කොළඹ 08.

Comments to be sent to: SRI LANKA STANDARDS INSTITUTION, 17, VICTORIA PLACE,  
ELVITIGALA MAWATHA, COLOMBO 08.

නැඳින්වීම

මෙම ශ්‍රී ලංකා ප්‍රමිති කෙටුම්පත , ශ්‍රී ලංකා ප්‍රමිති ආයතනය විසින් සකසන ලදුව, සියලුම උදෙසාගේ අංශ වලට තාක්ෂණික විවේචනය සඳහා යටත් ලැබේ.

අදාළ අංශ හැර කමිටු මාර්ගයෙන් ආයතනයේ මහා මණ්ඩල වෙත ඉදිරිපත් කිරීමට පෙර , ලැබෙන සියලුම විවේචන ශ්‍රී ලංකා ප්‍රමිති ආයතනය විසින් සලකා බලා අවශ්‍ය වෙනස් කෙටුම්පත සංශෝධනය කරනු ලැබේ.

මෙම කෙටුම්පතට අදාළ යෝජනා හා විවේචන නියමිත දිනට පෙර ලැබෙන්නට සැලැස්වුවහොත් අභ්‍යන්තර සලකුණු, තවද, මෙම කෙටුම්පත පිළිගත හැකි බැව් හැඟෙන අය ඒ බව දන්වන්නේ නම් එය ආයතනයට උපකාරී වනු ඇත.

මේ පිළිබඳව එවන සියලුම ලිපි පහත සඳහන් ලිපිනයට එවිය යුතුය.

අධ්‍යක්ෂ ජනරාල්  
ශ්‍රී ලංකා ප්‍රමිති ආයතනය,  
17, වික්ටෝරියා පෙදෙස,  
ඇල්විටිගල මාවත,  
කොළඹ 08.

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Introduction

This Draft Sri Lanka Standard has been prepared by the Sri Lanka Standards Institution and is now being circulated for technical comments to all interested parties.

All comments received will be considered by the SLSI and the draft if necessary, before submission to the Council of the Institution through the relevant Divisional Committee for final approval.

The Institution would appreciate any views on this draft which should be sent before the specified date. It would also be helpful if those who find the draft generally acceptable could kindly notify us accordingly.

All Communications should be addressed to:

The Director General  
Sri Lanka Standards Institution,  
17, Victoria Place,  
Elvitigala Mawatha,  
Colombo 08.

**Draft Sri Lanka Standard**  
**MICROBIOLOGICAL TEST METHODS FOR WATER**  
**PART 6 - DETECTION AND ENUMERATION OF *Legionella***  
**Section 3: Quantification of *Legionella* spp. and/or *Legionella pneumophila* by**  
**concentration and genic amplification by quantitative polymerase chain reaction (qPCR) –**  
**Onsite methods**

**DSLS 1461 Part 6/ Section 3:**  
**(ISO/TS 12869-2: 2024)**

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**Sri Lanka**

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**Onsite methods**

**NATIONAL FOREWORD**

This Sri Lanka Standard was approved by the Sectoral Committee on Food Products and was authorized for adoption and publication as a Sri Lanka Standard by the Council of the Sri Lanka Standards Institution on .....

This Standard is identical with **ISO/TS 12869-2: 2024** Water quality — Detection and quantification of *Legionella* spp. and/or *Legionella pneumophila* by concentration and genic amplification by quantitative polymerase chain reaction (qPCR) - Onsite methods, which is published by the International Organization for Standardization (ISO).

This Standard provides the guidelines, minimum requirements and performance characteristics intended to guarantee that manufactured systems intended for on-site/field use (i.e. outside the laboratory) provide reliable and reproducible results.

This Standard specifies the requirements for technologies that enable on-site detection and quantification of *Legionella* spp. and *L. pneumophila* using a quantitative polymerase chain reaction assay (qPCR). It specifies general methodological requirements, performance evaluation requirements and quality control requirements. This Standard is intended to be used by manufacturers of these technologies so that they produce detection systems that end users can operate safely and effectively. End users will be guided by this Standard to adhere to manufacturer's instructions, to ensure user competency and to perform the necessary controls.

Technical details specified in this Standard are given for information only. Any other technical solutions complying with the performance requirements are suitable.

**Terminology and conventions:**

The text of the International Standard has been accepted as suitable for publication, without deviation, as a Sri Lanka Standard. However, certain terminology and conventions are not identical with those used in Sri Lanka Standards. Attention is therefore drawn to the following:

- a) Wherever the words “International Standard” appear referring to this Standard, it should be interpreted as “Sri Lanka Standard”.

- b) The comma has been used throughout as a decimal marker. In Sri Lanka Standards it is the current practice to use the full point on the base line as the decimal marker.
- c) Wherever page numbers are quoted, they are ISO page numbers.

## **CROSS REFERENCES**

### **International Standard**

ISO 5667-1, Water quality — Sampling — Part 1: Guidance on the design of sampling programmes and sampling techniques

ISO 19458, Water quality — Sampling for microbiological analysis

### **Corresponding Sri Lanka Standard**

SLS 1462 Part 1, Methods of sampling of water - Guidance on the design of sampling programmes and sampling techniques

SLS 1462 Part 10, Methods for sampling of water - Sampling for microbiological analysis.

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