

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

(වෙසේවීමට ඉඩ ඇත. திருத்தத்திற்குட்படக்கூடியது. Liable to alteration)

නිකුත් කළ දිනය
வெளியிடும் திகதி
Date of Issue

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අදහස් එවිය යුතු අවසාන දිනය
அபிப்பிராயங்களை தெரிப்பதற்கான இறுதித்திகதி
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} 2023-05-03



Draft Sri Lanka Standard
SPECIFICATION FOR WATER SOLUBLE FERTILIZERS
(DSLS :) (ISO 18645 : 2016)

ජලයේ ද්‍රාව්‍ය පොහොර සඳහා වූ
ශ්‍රී ලංකා ප්‍රමිති පිරිවිතර කෙටුම්පත
(ශ්‍රීලංප්‍ර කෙටුම්පත :) (ISO 18645 : 2016)

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 වෙනස්කම් 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
REQUIREMENTS FOR WATER SOLUBLE FERTILIZER**

**DSLS :
ISO 18645: 2016**

Gr.

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17, Victoria Place,
Elvitigala Mawatha,
Colombo 08.
Sri Lanka.**

Draft Sri Lanka Standard
REQUIREMENTS FOR WATER SOLUBLE FERTILIZER

NATIONAL FOREWORD

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

This Sri Lanka Standard is identical with **ISO 18645: 2016** Fertilizers and soil conditioners — Water soluble fertilizer — General requirements, published by the International Organization for Standardization (ISO).

ISO 18645: 2016 specifies the requirements for testing methods, sampling and preparation of test sample, marking and labelling, as well as package, transport, and storage of water soluble fertilizers. This Standard is applicable to water soluble fertilizers which are completely soluble in water and are suitable for fertigation and sprinkling irrigation, as well as for foliar application (foliar feeding).

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, they 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 a full point on the baseline as the decimal marker.
- c) Wherever page numbers are quoted, they are ISO page numbers.

The test temperature adopted in Sri Lanka is 27 ± 2 °C and relative humidity $65 + 5$ per cent is recommended.

Cross references

International Standard

Corresponding Sri Lanka Standard

CEN/TS 16196 Fertilizers —
Manganimetric determination of extracted
calcium following precipitation in the
form of oxalate

No corresponding Sri Lanka Standard

EN 16195 Fertilizers — Determination of
chlorides in the absence of organic
material

No corresponding Sri Lanka Standard

EN 16198 Fertilizers — Determination of
magnesium by complexometry

No corresponding Sri Lanka Standard

EN 13366 Fertilizers — Treatment with a
cation exchange resin for the
determination of the chelated micro-
nutrient content and of the chelated
fraction of micro-nutrients

No corresponding Sri Lanka Standard

EN 13368-1 Fertilizers — Determination
of chelating agents in fertilizers by
chromatography —Part 1: Determination
of EDTA, HEEDTA and DTPA by ion
chromatography

No corresponding Sri Lanka Standard

EN 13368-2 Fertilizers — Determination
of chelating agents in fertilizers by
chromatography — Part 2: Determination
of Fe chelated by o,o-EDDHA and o,o-
EDDHMA by ion pair chromatography

No corresponding Sri Lanka Standard

EN 15451 Fertilizers — Determination of
chelating agents —. Determination of iron
chelated by EDDHSA by ion pair
chromatography

No corresponding Sri Lanka Standard

EN 15452 Fertilizers — Determination of
chelating agents — Determination of iron
chelated by o,p-EDDHA by reversed
phase HPLC

No corresponding Sri Lanka Standard

EN 15749 Fertilizers — Determination of sulfates content using three different methods	No corresponding Sri Lanka Standard
EN 15950 Fertilizers — Determination of N-(1,2-dicarboxyethyl)-D,L-aspartic acid (Iminodisuccinic acid, IDHA) using high-performance liquid chromatography (HPLC)	No corresponding Sri Lanka Standard
EN 15961 Fertilizers — Extraction of water-soluble calcium, magnesium, sodium and sulfur in the form of sulfates	No corresponding Sri Lanka Standard
EN 15962 Fertilizers — Determination of the complexed micro-nutrient content and of the complexed fraction of micro-nutrients	No corresponding Sri Lanka Standard
EN 16109 Fertilizers — Determination Of complexed micro-nutrient ions in fertilizers — Identification of lignosulfonates	No corresponding Sri Lanka Standard
EN 16847 Fertilizers — Determination of complexing agents in fertilizers — Identification of heptagluconic acid by chromatography	No corresponding Sri Lanka Standard
ISO 3696 Water for analytical laboratory use — Specification and test methods	No corresponding Sri Lanka Standard
ISO 5315 Fertilizers — Determination of total nitrogen content — Titrimetric method after distillation	No corresponding Sri Lanka Standard
ISO 6353-1 Reagents for chemical analysis — Part 1: General test methods	No corresponding Sri Lanka Standard
ISO 6598 Fertilizers — Determination of phosphorus content — Quinoline phosphomolybdate gravimetric method	No corresponding Sri Lanka Standard
ISO 7409 Fertilizers — Marking — Presentation and declarations	No corresponding Sri Lanka Standard

ISO 7410 Fertilizers and soil conditioners — Final samples — Practical arrangements	No corresponding Sri Lanka Standard
ISO 7742 Solid fertilizers — Reduction of samples	No corresponding Sri Lanka Standard
ISO 8633 Solid fertilizers — Simple sampling method for small lots	No corresponding Sri Lanka Standard
ISO 17318 Fertilizers and soil conditioners — Determination of arsenic, cadmium, chromium, lead and mercury contents	DSLS ISO 17318 Determination of arsenic, cadmium, chromium, lead and mercury contents in fertilizers and soil conditioners *
ISO 17319 Fertilizers and soil conditioners — Determination of water-soluble potassium content — Potassium tetraphenylborate gravimetric method	No corresponding Sri Lanka Standard
ISO 18643, Fertilizers and soil conditioners — Determination of biuret content of urea-based fertilizers — HPLC method	

*Under preparation

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