

केन्द्रीय मुहर विभाग -2

संदर्भ- : के मू वी-2/16: 14364

05 08 2024

विषय: **IS 14364: 2024** के **revision** के अनुपालन के दिशा निर्देश

यह उपरोक्त विषय के संदर्भ में है।

सक्षम अधिकारी द्वारा अनुमोदित दिशा निर्देश अनुपालन हेतु संलग्न है ।

अनुरोध है कि दिशा निर्देशों का तत्काल प्रभाव से अनुपालन सुनिश्चित करें।

(अमित चौधरी)
वैज्ञानिक - डी

प्रमुख (के मू वी 2)

सभी क्षेत्रीय/शाखा कार्यालय/प्रयोगशालाएँ/ **CHD/LRMD**

CENTRAL MARKS DEPARTMENT-2

Our Ref: CMD-2/16: 14364

05 08 2024

Subject: Guidelines for implementation of Revised IS 14364:2024

This has reference to the subject mentioned above.

The Competent Authority has approved the enclosed Guidelines for implementation.

It is requested to ensure the implementation of the above Guidelines with immediate effect.

(Amit Choudhary)
Scientist D

Head (CMD-2)

All ROs/BOs/Labs/CHD/LRMD

CENTRAL MARKS DEPARTMENT-2

Our Ref: CMD-2/16: 14364

05 08 2024

Sub: **Guideline for Implementation of revised IS 14364 : 2024**

1. This has reference to the above-mentioned subject
2. IS 14364 : 1996 for **QUATERNARY AMMONIUM COMPOUND BASED SURFACE — SPECIFICATION** has been revised to IS 14364 : 2024, **QUATERNARY AMMONIUM COMPOUND BASED SURFACE — Specification**.
3. IS 14364 : 1996 and IS 14364 : 2024 are under concurrent running till 22nd October 2024 and the last date for implementation of revised IS 14364 : 2024 is 22nd October 2024
4. There are two Licences in operation for the product in India, one each under SUBO and LKBO, and no pending applications.
5. The major changes in the standard on account of the revision are given in the table below for the purpose of general guidance:

A. Major Changes in IS 14364 due to the revision

SI no	Clause No	Change
1.	Page 1, Cl 4.1	Description clause has been updated and non-essential words (<i>“may or may not be coloured,” “it shall be odourless or with fragrance”</i>) have been deleted.
2.	Page 1, Cl 4.2	Composition clause has been modified to exclude reference to non-ionic surfactants in aqueous medium.
3.	Page 1, Cl 4.4	Color clause has been modified and <i>reference to test of colour/stain left after cleaning of floor and mopping</i> has been removed. Sentence on <i>requirement of colour (faint to colourless) on dilution of the product,</i> is also removed.
4.	Page 1, Cl 4.5	Requirement of <i>Stability</i> has been replaced with <i>Stability on dilution</i> and the requirement is to be checked on dilution with water as per usage instructions given by the manufacturer
5.	Page 1, Cl 4.6	Cleaning Property clause is modified to include <i>“as per usage instructions given by the manufacturer”</i> for dilution of the product.
6.	Page 1, Cl 4.7	Applicability clause is modified to include <i>“as per usage instructions given by the manufacturer”</i> for dilution of the product
7.	Page 1, Cl 4.8	Keeping Quality clause is modified to include test of composition (Clause 4.2) also under the keeping quality parameter. <i>storage time of two years from the date of manufacture or as per the shelf life declared by the manufacturer whichever is more,</i> has been prescribed in place of <i>two years from the date of manufacture</i>
8.	Page 2, Cl 4.8 and 4.9, Table 1	The requirements for total non-volatile matter, pH and QAC content have been relaxed considerably.
9.	Page 2, Cl 5	Under the packing clause packing in <i>“any other suitable containers”</i> has been provided as an alternate. Container size as <i>200ml, 500ml or 1 litre</i> has been removed.
10.	Page 2, Cl 6.1	BIS Certification Clause has been updated for Bureau of Indian Standards Act, 2016
11.	Page 3, Cl 4.6, Annex A	In the test for DETERMINATION OF CLEANING PROPERTY, use of <i>magnesium stearate/stearic acid</i> as an alternate to calcium stearate has been given, and use of <i>thinner/methylated</i>

		<p><i>spirit/alcohol</i> as an alternate to white spirit has been given at A-1.1.1. Similarly, use of <i>hydrogenated castor oil/soft butter</i> as an alternate to lanolin has been given under A-1.1.2</p> <p>Colour of tile as white/light is now specified at A-2 and, as an alternate to mosaic, use of <i>porcelain/ granite tile or other intended surfaces with glazed finished</i>, has been provided. Also drying of the tile “<i>in a hot air oven set at 60 °C to 70 °C for at least 1 h.</i>” after application of a thin coat of 'hard surface cleaner soil' on the surface has been provided as an alternate to drying at room temperature, overnight</p> <p>Dilution of Test product <i>as per usage instructions given by the manufacturer</i> has been added in first sentence of para 1 and use of <i>plain tap water or hard water</i> (word 'water' is replaced) has now been given in the revised IS at para 2 of A 3. Clause A3 has been reworded.</p>
12.	Page 4, Table 1, Annex B	<p>In Cl B-1.1, cooling of heated dish in “<i>desiccator</i>” has now been introduced.</p> <p>In Cl B-2.1, reference of standard solution of <i>pH 4 (0.05M potassium hydrogen phthalate solution)</i> has been removed.</p> <p>Temperature of 25 °C specified for measurement of pH has also been removed.</p>

6. The existing Product manual has been revised to incorporate the changes due to the revised IS and it is being circulated separately, through BIS website, as Product Manual Doc: PM/IS 14364/2 Aug 2024.

7. The guidelines for implementation of the revised IS are as given below:

A. LICENSEES:

- i. Licensee shall implement the revised Indian Standard by 22nd October 2024. Any difficulty in implementation shall be brought to the notice of CMD-2 within 30 days from the date of issuance of these guidelines. BO shall ensure that the Licence is not under operation as per IS 14364 :1996 (old standard) after 22nd October 2024. The status of implementation of the revised Indian Standard shall be confirmed by Head (BO) to CMD-II within two weeks of the last date of implementation of concurrent running.
- ii. There is no major change introduced with the revision requiring modification in manufacturing infrastructure. Minor changes in the testing equipment has been incorporated viz. introduction of use of desiccator for cooling in the test of Total non-volatile matter, and Colour of tile as white/light now specified in the test of Determination of Cleaning Property. Change in the Test equipment, if any, consequent to the revision of the IS shall be declared by Licensee in Form no 2
- iii. Licensee is required to submit evidence of conformity for keeping property only in cases where shelf life declared by the manufacturer is more than storage time of two years from the date of manufacture.
- iv. No change in the scope is ensued consequent to the implementation of the revised IS.
- vi. If the Licensee fails to complete all actions by 22nd October 2024, it shall be dealt with as per the prevailing guidelines.

9. LKBO & SUBO are requested to circulate this guideline to the licensees and applicants immediately within 7 days of issuance of this circular.

10. The above guidelines come into force with immediate effect.

(Amit Choudhary)
Scientist D

Head (CMD-2)
DDG(Certification)

Circulated to:

i.All RO/BOs

ii.All other concerned - through BIS intranet