

**SAUDI STANDARDS, METROLOGY AND QUALITY
ORGANIZATION**

Project No. 33124:2023

Alkali Drain Cleaner

ICS 71.100.40

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ALKALI DRAIN CLEANER

1. SCOPE AND FILED APPLICATION

This standard is concerned with requirements of a dry powder (like granular, free flowing powder, etc) alkali drain cleaner used for removal of impediments of any other than cellulosic that restrict the flow of water in drain systems in household applications (specified in 3.3)

2. COMPLEMENTARY REFERENCES

02-03-16-155 Technical Regulations for Detergents

3. GENERAL REQUIRMENTS

- 3.1 the product shall be effective for loosening impeded drains to allow satisfactory movement of water.
- 3.2 the product shall not contain any surfactants, soap, or foreign material.
- 3.3 the product shall not be deleterious to drainpipes made from P.V.C, lead or ceramic and have a weak effect on copper.
- 3.4 The dry product shall have no objectionable odor.
- 3.5 When held under normal conditions for a period of two years the material shall remain uniform, free flowing and the packaging shall show no evidence of exterior deterioration
- 3.6 The product complements should not have any harmful effect to the environment in accordance with section (2).
- 3.7 The pH value of 10% solution in water shall be ≥ 11

5. SAMPLING

- 1.1 Samples are taken in their original container which is tightly closed.
- 1.2 Keep the taken samples in proper storage conditions.
- 1.3 Each consignment of alkali drain cleaner shall be divided into groups, so that the boxes of each group include containers of the same batch number
- 1.4 Several boxes shall be randomly taken from each group as shown in table (2)
- 1.5 take one or more packages from each selected box, randomly and open it inside fume cupboard and their contents shall be mixed well and a sample ranging from 750 to 1000 g is taken.

Table (2)
The choice of test sample boxes

No. of boxes in the group	No. of boxes selected
From 4 to 15	3
From 16 to 40	4
From 41 to 65	5
From 66 to 110	7
More than 110	10

6 PACKAGING

- 6.1 The product should be packaged in suitable containers.
6.2 It should be clean and air-tightly to protect the product during transport and storage.

7. MARKING AND LABELLING

The information below shall be indicated in Arabic or in both Arabic and English on each label of the package in a clear way and in a manner that is difficult to remove:

- 7.1 The name and type of the product (commodity), Components "Components and their ratios can only be written in English"
7.2 Manufacturer's name and address/trademark or both
7.3 The production date, lot number, or any other method that enables the manufacturer to trace the product. Numbers can only be written in English
7.4 The country of origin or whether the product is manufactured under a license from a registered trademark
7.5 Net weight (g) or volume (l), multiples or parts thereof. Numbers can only be written in English
7.6 Components (can be written in English only).
7.7 Precautions, warnings and first aid (if any). (Written or through illustrations)