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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 23670-2025

Replacing GB/T 23670-2016

CLT acid (2-Amino-4-methyl-5-chlorobenzenesulfonic acid)

CLT酸 (2-氨基-4-甲基-5-氯苯磺酸)

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Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and Definitions

4 Requirements

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document replaces GB/T 23670-2016 "2-Amino-4-methyl-5-chlorobenzenesulfonic acid (CLT acid)" and is consistent with GB/T 23670-2016.

In addition to structural adjustments and editorial changes, the main technical changes are as follows.

- a) The quality requirements for moisture have been changed (see Chapter 4, Chapter 3 of the 2016 edition);
- b) The expression of sampling requirements and sampling volume have been changed (see Chapter 5, Chapter 4 of the 2016 edition);
- c) The assessment method for appearance has been changed (see 6.2, 5.2 of the 2016 edition);
- d) Added the atomic absorption determination method for iron ions (see 6.8.4);
- e) The re-inspection content has been changed (see 7.3, 6.3 of the 2016 edition).

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed by the China Petroleum and Chemical Industry Federation.

This document is under the jurisdiction of the National Technical Committee on Standardization of Dyes (SAC/TC134).

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This document was first published in 2009, revised for the first time in 2016, and this is the second revision.

1 Scope

This document specifies the requirements, sampling, test methods, inspection rules and standards for CLT acid (2-amino-4-methyl-5-chlorobenzenesulfonic acid) products.

Marking, labeling, packaging, transportation and storage.

This document applies to the production and inspection of CLT acid products. Structural formula.

Molecular formula. $C_7H_8ClNO_3S$.

Relative molecular mass. 221.66 (according to the 2022 international relative atomic mass).

CAS number. 88-53-9.

2 Normative references

GB/T 601

GB/T 603

GB/T 2381

GB/T 2386-2014

GB/T 3049

GB/T 6678-2003

GB/T 6682-2008

GB/T 8170-2008

GB 20814

GB/T 21876

3 Terms and Definitions

There are no terms or definitions that require definition in this document.

4 Requirements

The quality requirements of CLT acid shall comply with the requirements in Table 1.