



National Standard of the People's Republic of China

GB 25574-2010

食品安全国家标准

食品添加剂 次氯酸钠

National Food Safety Standard

Food Additive—Sodium Hypochlorite

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Foreword

Appendix A to the Standard is a normative appendix.

National Food Safety Standard

Food Additive—Sodium Hypochlorite

1. Scope

The Standard shall be applicable for sodium hypochlorite (NACLO) made from reaction between food additive sodium hydroxide (NaOH) and chlorine.

2. Normative References

The documents cited in the Standard are imperative for application of the Standard. For the cited documents with date, only the version of the date shall be applicable for the Standard; for those without date, the latest version (including all revision lists) shall be applicable for the Standard.

3. Molecular formula and relative molecular mass

3.1 Molecular formula

NaClO

3.2 Relative molecular mass

74.442 (as per international relative atomic mass in 2007)

4. Technical Requirements

4.1 Requirements for sense evaluation: shall comply with the regulations of Table 1. Table 1 Requirements for sense evaluation

Item	Requirements	Testing method
Color	No color or straw yellow	Take an amount of sample and put it in a beaker of 50ml, and observe the color and textural state in natural light.
Textural state	Liquid	

4.2 Physical and chemical indicator: shall comply with the regulations of Table 2. Table 2 Physical and chemical indicator

Item	Indicator	Testing method
Available chlorine (Calculated as per Cl), w/% $\geq$	5.0	A.4 of Appendix A
Free alkali (Calculated as per NaOH), w/%	0.2~1.0	A.5 of Appendix A
Fe (Calculated as per Fe), mg/kg $\leq$	50	A.6 of Appendix A
Heavy metal (Calculated as per Pb), mg/kg $\leq$	10	A.7 of Appendix A
Arsenic (Calculated as per As), mg/kg $\leq$	1	A.8 of Appendix A



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