



GB 25572-2010

National Standard for Food Safety
Food Additive Calcium Hydroxide

食品安全国家标准
食品添加剂 氢氧化钙

Ministry of Health

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National Standard of the People's Republic of China

GB 25572-2010

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Preface

Appendix A attached hereto is a normative appendix.

National Standard for Food Safety

Food Additive – Calcium Hydroxide

1 Scope

The Standard is applicable to the Food Additive – Calcium Hydroxide developed by calcining and digesting the limestones or limestone-contained oyster shells, etc., as the raw materials.

2 Normative References

The references hereof are essential for the implementation of this Standard. For a reference with a date, only the dated version shall be applicable to the Standard. For a reference without a date, the latest version (including all the amendments hereof) shall be applicable to the Standard.

3 Molecular Formula and Relative Molecular Weight

3.1 Molecular formula

Ca(OH)_2

3.2. Relative molecular weight

74.09 (according to the international relative atomic mass in 2007)

4 Technical Requirements

4.1 Sensory requirements: The sensory requirements under Table 1 shall be met.

Table 1 Sensory Requirements

Item	Requirements	Test methods
Color	White	Take the proper amount of sample to place it in a 50ml beaker. Afterwards, observe the color and structural state of the sample under the natural light conditions.
Structural state	Powder	

4.2 Physicochemical indicators: The physicochemical indicators under Table 2 shall be met.

Table 2 Physicochemical Indicators

Item		Indicators	Test methods
Calcium Hydroxide [Ca(OH) ₂], w/%		95.0~100.5	A.4 under Appendix A
Carbonate		Pass the test	A.5 under Appendix A
Magnesium and alkali metal, w/%	≤	2.0	A.6 under Appendix A
Acid-insoluble substance, w/%	≤	0.1	A.7 under Appendix A
Arsenic (As) (mg/kg)	≤	2	A.8 under Appendix A
Fluoride (calculated as F)/(mg/kg)	≤	50	A.9 under Appendix A
Lead (Pb)/(mg/kg)	≤	2	A.10 under Appendix A
Heavy metal (calculated as Pb)/(mg/kg)	≤	10	A.11 under Appendix A
Loss on drying, w/%	≤	1.0	A.12 under Appendix A
Residue on sieve (0.045mm), w/%	≤	0.4	A.13 under Appendix A



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