Chinastandards.org

ICS 67.050
CCS X04

SN

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3855-2014

Determination of ethylenediaminetetraacetic acid disodium in foodstuffs for export

出口食品中乙二胺四乙酸二钠的测定

(English Translation)

Issued on: January 13, 2014 **Implemented on: August 1, 2014**

Issued by: General Administration of Customs

Preview: page 1 of 4 shown, 22 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/sn-t-3855-2014

Chinastandards.org

Table of Contents

Foreword

1 Scope

2 Normative references

3 Method summary

4 Reagents and materials

Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

Some elements of this document may involve patents, publication of this document Institutions do not recognize these patents involve responsibility.

This standard is proposed and managed by the National Certification and Accreditation Administration Committee.

This standard was drafted. Heilongjiang People's Republic of China Exit Inspection and Quarantine.

1 Scope

This standard is the first law of liquid chromatographic method in food exports of disodium edetate.

This standard is the first law applies to beer, wine, juice drinks, tea drinks, rice pudding, tomato sauce, blueberry jam, canned fish, salad dressing, gold Needle mushroom, canned, chestnut disodium edetate detection.

This standard specifies the method of the second outlet in food disodium edetate liquid chromatography - mass spectrometry/mass spectrometry.

The second method is suitable for standard beer, wine, juice drinks, tea drinks, rice pudding, tomato sauce, blueberry jam, canned fish, salad dressing, gold Needle mushroom, canned, chestnut disodium edetate detection and confirmation.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

Preview: page 2 of 4 shown, 22 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/sn-t-3855-2014

Laboratory use specifications and test methods GB/T 6682 Analysis the first method of liquid chromatography

3 Method summary

Disodium edetate sample extraction with water, the extract was derivatized ferric chloride and chloroform purified by liquid chromatography detection Testing, external standard.

4 Reagents and materials

Unless otherwise specified, all reagents were of analytical grade water as a water GB/T 6682 regulations.

4.1
Methanol. chromatographically pure.

4.2
chloroform. chromatography.

4.3
potassium dihydrogen phosphate (KH2PO4).

4.4
hydrochloric acid.

4.5
phosphoric acid.

4.6
ferric chloride (FeCl3. 6H2O).

4.7
Ferric chloride solution. 0.02mol/L. Weigh 0.5406g ferric chloride (4.6), was dissolved in 90mL water and transferred to a 100mL capacity Flask, was added 0.03mL of hydrochloric acid (4.4) with water to volume, and mix.

4.8
potassium dihydrogen phosphate solution. 0.075mol/L, pH = 2.3. Weighed 10.207g potassium dihydrogen phosphate (4.3), was dissolved in 900mL of water, with Phosphoric acid to adjust the pH to 2.3, transferred to 1000mL volumetric flask with water to volume, and mix.

Disodium edetate 4.9 Standard. CAS. 6381-92-6, purity not less than 99%.

Preview: page 3 of 4 shown, 22 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/sn-t-3855-2014

Chinastandards.org

4.10

standard stock solution. accurately weighed amount of disodium edetate standards, dissolved in water and dilute to 100mL brown capacity Standard stock solution vial to give a concentration of 10mg/mL of this solution was transferred to the reservoir bottle storage for one month at 4 °C.

Preview: page 4 of 4 shown, 22 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/sn-t-3855-2014