Chinastandards.org

ICS 67.060
CCS X11

SN

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3136-2012

Determination of aflatoxins, ochratoxin, fumonisin B1, deoxynivalenol, T-2 and HT-2 toxins in peanut, grain and their products for export

出口花生、谷类及其制品中黄曲霉毒素、赭曲霉毒素、伏马毒素B1、脱氧雪腐镰刀菌烯醇、T-2毒素、HT-2毒素的测定

(English Translation)

Issued on: May 7, 2012 **Implemented on: November 16, 2012**

Issued by: General Administration of Customs

Preview: page 1 of 3 shown, 24 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/sn-t-3136-2012

Chinastandards.org

Table of Contents

Foreword
1 Scope
2 Sample preparation
2.1 Solid sample preparation
2.2 Sample preservation
3 Method summary
4 Reagents and materials

Foreword

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

Please note that some of the content of this document may involve patents. Release mechanism of the present document does not assume responsibility for the identification of these patents.

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

This standard was drafted. People's Republic of China Jiangsu Entry-Exit Inspection and Quarantine Bureau, People's Republic of China Entry-Exit Inspection and Shanxi Quarantine Bureau.

1 Scope

This standard specifies the export peanuts, cereals and products of aflatoxin B1, B2, G1, G2, ochratoxin A, fumonisin B1, Deoxynivalenol fungi alcohol, T-2 toxin, HT-2 toxin assay -- liquid chromatography - mass spectrometry/mass spectrometry methods.

This standard is applicable to the export peanuts, cereals and products of aflatoxin B1, B2, G1, G2, ochratoxin A, fumonisin B1, Deoxynivalenol fungi alcohol, T-2 toxin and HT-2 toxin assay.

2.1 Solid sample preparation

The sample was reduced by quartering to 1kg, all ground and ground to a particle size of less than 2mm, mixing, are divided into two as a sample, respectively Inside into a clean container, sealed and labeled. In the course of sampling and sample preparation operation, should prevent sample contamination or the occurrence of residues Change of.

Preview: page 2 of 3 shown, 24 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/sn-t-3136-2012

2.2 Sample preservation

The sample was stored in the dark at 4 °C.

3 Method summary

The sample was PBS and methanol - aqueous extract, the extract was diluted, filtered and purified by immunoaffinity column by rinsing to remove Free Immunoaffinity column impurities, followed by an eluent through the column, the target is separated off, dry nitrogen volume. Liquid chromatography - mass spectrometry/mass spectrometry measurement Fixed, external standard.

4 Reagents and materials

Unless otherwise indicated, the reagents used were of analytical grade water for ultra-pure water.

4.1
Methanol. HPLC grade.

4.2
acetonitrile. high performance liquid chromatography.

4.3
toluene.

4.4
formic acid.

4.5
ammonium acetate.

4.6
Disodium hydrogen phosphate (Na2HPO4. 12H2O).

4.7
potassium chloride.

4.8
potassium dihydrogen phosphate.

4.9
sodium chloride.

Preview: page 3 of 3 shown, 24 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/sn-t-3136-2012