Chinastandards.org

ICS 67.040

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 5009.217-2008

Determination of vitamin B12 in health foods

保健食品中维生素B12的测定

(English Translation)

Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC

Preview: page 1 of 5 shown, 9 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-5009-217-2008

Chinastandards.org

Table of Contents

1 Scope
2 Principle
3 Reagents
4 Instrument and Equipment
5 Analytical Procedures
6 Result Calculation
7 Precision
8 Chromatogram

1 Foreword

GB/T 5009.217-2008 is issued by State Administration for Market Regulation; Standardization Administration of the PRC.

It is one of 119 parts of the GB/T 5009 series.

2 Scope

This standard specifies the determination method of vitamin B12 in health foods. This standard is applicable to the determination of vitamin B12 in health foods like tablet, capsule, powder and functional beverage. In this method, where the sample is treated through solid-phase extraction, the sampling quantity is 2.0g and the detection limit of the method is 1.0?/g. Where the sample is treated through immunoaffinity method, the sampling quantity of tablet, capsule and powder is 2.0g, and the detection limit of the method is 0.05?g/g; the sampling quantity of functional beverage is 20mL and detection limit of the method is 3.0?/L.

3 About this standard

Issued by: State Administration for Market Regulation; Standardization Administration of the PRC

English translation: about 9 pages

4 Related standards

Other parts of this standard:

Preview: page 2 of 5 shown, 9 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-5009-217-2008

GB/T 5009.1-2003 - Methods of food hygienic analysis--Physical and chemical section--General principles

GB/T 5009.10-2003 - Determination of crude fiber in vegetable foods

GB/T 5009.19-2008 - Determination of organochlorine pesticide multiresidues in foods

GB/T 5009.20-2003 - Determination of organophosphorus pesticide residues in foods

GB/T 5009.21-2003 - Determination of carbaryl residues in cereals,oils and vegetables

GB/T 5009.30-2003 - Determination of butylated hydroxyanisole and butylated hydroxytoluene in foods

GB/T 5009.36-2003 - Method for analysis of hygienic standard of grains

GB/T 5009.37-2003 - Method for analysis of hygienic standard of edible oils

GB/T 5009.38-2003 - Method for analysis of hygienic standard of vegetables and fruits

GB/T 5009.39-2003 - Method for analysis of hygienic standard of soybean sauce

GB/T 5009.40-2003 - Method for analysis of hygienic standard for grain paste

GB/T 5009.41-2003 - Method for analysis of hygienic standard of vinegar

GB/T 5009.44-2003 - Method for analysis of hygienic standard of meat and meat products

GB/T 5009.47-2003 - Method for analysis of hygienic standard of egg and egg products

GB/T 5009.48-2003 - Method for analysis of hygienic standard of distilled wines and mixed wines

GB/T 5009.49-2008 - Method for analysis of hygienic standard of fermented alcoholic beverages and their integrated alcoholic beverages

GB/T 5009.50-2003 - Method for analysis of hygienic standard ofcold drink and foods

GB/T 5009.51-2003 - Method for analysis of hygienicstandard of nonfermented bean products and gluten

GB/T 5009.52-2003 - Method for analysis of hygienic standard of fermented bean products

GB/T 5009.53-2003 - Method for analysis of hygienic standard of products made by starch

GB/T 5009.54-2003 - Method for analysis of hygienic standard of picked vegetables

GB/T 5009.55-2003 - Method for analysis of hygienic standard of sugars

GB/T 5009.56-2003 - Method for analysis of hygienic standard of pastry

GB/T 5009.57-2003 - Method for analysis of hygienic standard of tea

GB/T 5009.58-2003 - Method for analysis of hygienicstandard of polyethylene resin for food

Preview: page 3 of 5 shown, 9 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-5009-217-2008

packaging

GB/T 5009.59-2003 - Method for analysis of hygienic standard of polystyrene resin for food packaging

GB/T 5009.60-2003 - Method for analysis of hygienic standard of products of polyethylene, polystyrene and polypropylene for food packaging

GB/T 5009.61-2003 - Method for analysis of hygienic standard of products of melamine for food packaging

GB/T 5009.62-2003 - Method for analysis of hygienic standard of ceramics for food contact

GB/T 5009.64-2003 - Method for analysis of hygienic standard of rubber sheet(ring) for food use

GB/T 5009.65-2003 - Method for analysis of hygienic standard of rubber sealing ring for pressure cooker for food use

GB/T 5009.67-2003 - Method for analysis of hygienic standard of products of polyvinyl chloride for food packaging

GB/T 5009.68-2003 - Method for analysis of hygienic standard of perchorovinyl-coating for inner wall of food container

GB/T 5009.70-2003 - Method for analysis of hygienic standard of epoxy coating for inner wall of food container

GB/T 5009.71-2003 - Method for analysis of hygienicstandard of polypropyrene resin for food packaging

GB/T 5009.72-2003 - Method for analysis of hygienic standard of aluminum-wares for food use

GB/T 5009.73-2003 - Determination of ethylene dibromide residues in grains

GB/T 5009.77-2003 - Method for analysis of hygienicstandard of edible hydrogenated oil

GB/T 5009.78-2003 - Method for analysis of hygienic standard of papers for food packaging

GB/T 5009.79-2003 - Hygienic analysis method of rubber hose for food use

GB/T 5009.80-2003 - Method for analysis of hygienic standard of polytetrafluoroethylene coating for inner wall of food containers

GB/T 5009.81-2003 - Method for Analysis of Hygienic Standard of Stainless Steel Food Containers and Table Wares

GB/T 5009.94-2003 - Determination of rare earth elements in plant food

GB/T 5009.95-2003 - Determination of tetracyclines residues in honey

Preview: page 4 of 5 shown, 9 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-5009-217-2008

GB/T 5009.96-2003 - Determination of ochratoxin A in food -- High performance liquid chromatographic method with immunoaffinity column clean-up

GB/T 5009.98-2003 - Method for analysis of hygienic standard of unsatur-ated polyester resin and glass fibre reinforced plastics used as food containers and packaging materials

GB/T 5009.102-2003 - Determination of phoxim pesticide residues in vegetable foods

GB/T 5009.103-2003 - Determination of methamidophos and acephate pesticide residues in vegetable foods

GB/T 5009.104-2003 - Determination of carbamate pesticide residues in vegetable foods

GB/T 5009.105-2003 - Determination of chlorothalonil residues in cucumber

GB/T 5009.106-2003 - Determination of permethrin residues in vegetable foods

GB/T 5009.107-2003 - Determination of diazinon residues in vegetable foods

GB/T 5009.108-2003 - Determination of diaethylstilbestrol in flesh

GB/T 5009.109-2003 - Determination of isocarbophos residues in orange

GB/T 5009.110-2003 - Determination of cypermethrin,fenvalerate and deltamethrin residues in vegetable foods

GB/T 5009.111-2003 - Determination of deoxynivalenol in food -- High performance liquid chromatographic method with immunoaffinity column clean-up

GB/T 5009.112-2003 - Determination of quinalphos residues inrice and orange

GB/T 5009.113-2003 - Determination of thiocyclam residues in rice

GB/T 5009.114-2003 - Determination of bisultap residues in rice

GB/T 5009.115-2003 - Determination of tricyclazole residues in rice

GB/T 5009.116-2003 - Determination of oxytetracyline,tetracyline and chlortetracycline residues in meat(HPLC)

GB/T 5009.117-2003 - Method for analysis of hygienic standard ofedible soybean meal

GB/T 5009.126-2003 - Determination of triadimefon residues in vegetable foods

GB/T 5009.127-2003 - Determination of germanium in polyester resin and products for food packaging

GB/T 5009.129-2003 - Determination of ethoxyquin residues i n fruits

GB/T 5009.130-2003 - Determination of fomesafen residuesin soybeans and cereals

GB/T 5009.131-2003 - Determination of phosmet residues in vegetable foods

GB/T 5009.132-2003 - Determination of atrazine residues in foods

Preview: page 5 of 5 shown, 9 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-5009-217-2008