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**NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC
OF CHINA**

中华人民共和国国家标准

GB/T 5009.197-2003

**Determination of thiamine hydrochloride, pyridoxine
hydrochloride, niacin niacinamide and caffeine in health foods**
**保健食品中盐酸硫胺素、盐酸吡哆醇、烟酸、烟酰胺
和咖啡因的测定**

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(SAC)**

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Foreword

This Standard is proposed and under the jurisdiction of the Ministry of Health (MOH) of the People's Republic of China.

Chief draft unit of this standard: Institute of Food Safety Control and Inspection Ministry of Public Health.

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Introduction

Thiamine hydrochloride, pyridoxine hydrochloride, nicotinic acid as well as nicotinamide and other B family vitamins are the indispensable nutrients for human beings, and they play an important role in prevention and treatment of various diseases. Currently B family vitamins and caffeine are successfully added into health food as functional component. On basis of the reference to the vitamin detection method of Japanese Taisho pharmaceutical Co., Ltd, combined with the specific conditions of instrument analysis in our country, this method is a high performance liquid chromatographic method that can determine the thiamine hydrochloride, pyridoxine hydrochloride, nicotinic acid as well as nicotinamide and other B family vitamins and caffeine added in tablet, capsule, oral liquid, beverages as well as other health food.

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