

mainly introduced in this study, including the effects of size, layer numbers on the pristine graphene, vacancy defects, SW defects on the mechanical properties of graphene, and comprehensively reviewed the mechanical properties of graphene.

**Key words** Graphene; Mechanical properties; Molecular dynamic simulation; Defects

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### 智能感官分析仪器在宣威火腿加工品质控制中的应用

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**摘要** 本文采用智能感官分析仪器如电子鼻、电子舌、质构仪,检测传统宣威火腿生产过程中的风味形成、质地变化、口感等客观指标,利用这些指标初步探索宣威火腿标准化生产的控制体系,为宣威火腿规模化生产品质控制找到客观的数据依据。

**关键词** 火腿风味;质地;感官指标;电子鼻;电子舌;质构仪

### The Application of Antelligent Sensory Analysis Instrument on the Control of Xuanwei Ham's Processing Quality

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**Abstract** This paper adopts the intelligent sensory analysis instrument, such as Electronic nose (iNose), Electronic tongue (SmarTongue) and Texture analysis (TA. new plus), to detect the flavor, texture, mouth feeling and other objective indexes in the traditional production process of xuanwei ham. These indexes can be used to make a preliminary exploration of standard production control system of Xuanwei ham, which can make objective data basis for quality control of Xuanwei ham's large scale production.

**Key words** Ham flavor; Texture; Sensory indicators; Electronic nose (iNose); Electronic tongue (SmarTongue); Texture analysis (TA. new plus)