Physico-chemical Characterization of Import Steamed Rice

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Objectives

- O To establish the quality stability of domestic rice (Korean variety)
- O To establish the rice distribution system in rice market

Materials and Methods

- O Materials: Steamed Rice(Import chinese) and Ilpumbyeo(control)
- O Methods: Appearance, Iodine, Texture, RVA paste, panel test

Results and Discussion

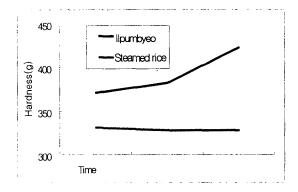
- O Cracks on the surface of steamed rice due to the drying process
- O Irregular grain shape and non-glossy of steamed rice compared to ordinary rice
- O Low hardness and low paste properties of steamed rice.
- O Various band formation identified by DNA marker analysis of steamed rice

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Table 1. Import quantities of steamed rice by countries.

(ton)

Year	Total	China	Thailand	Taiwan	America	Australia	Vietnam	Italy
2003	8,198	7,942	18	53	_	174	. 8	4
2004	9,633	9,144	338	69	34	32	13	3
2005/10	8,898	8,507	357	14	_	-	20	-



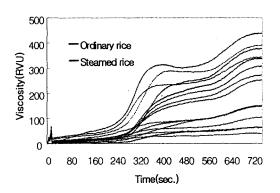


Fig. 1. Characterization of texture and amylogram to steamed rice.

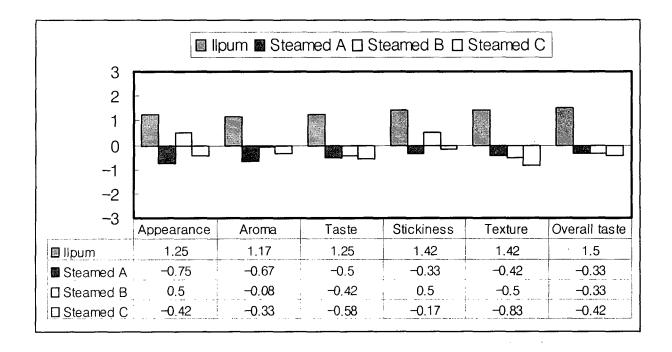


Fig. 2. Characterization of sensory score of cooked rice. (evaluation range: $-3R \sim +3$).