



AJINOMOTO CO., INC.

Sweeteners Department

15-1, Kyobashi 1-Chome, Chuo-ku, Tokyo 104 Japan

Tel: 03-5250-8196 Fax:03-5250-8315

8-Jun-12

Specification ADVANTAME

Supplier:	AJINOMOTO CO., INC. 15-1, Kyobashi 1-Chome, Chuo-ku, Tokyo 104 Japan Tel: 03-5250-8196 Fax:03-5250-8315		
Description:	ADVANTAME is a flavor modifier (FEMA GRAS No. 4716), which also has strong high sweetness potency, and it's a white to yellow, odorless and crystalline powder.		
Product name:	ADVANTAME		
Synonyms:	L-phenylalanine, N-[3-(3-hydroxy-4-methoxyphenyl)propyl]-L- α -aspartyl, 2-methyl ester, monohydrate		
Shelf Life:	ADVANTAME is stable for 5 years in normal conditions (temperature: 25°C, humidity: 60%), when properly stored in sealed, original container. In addition, don't store near products with a strong odor.		
Chemical Name:	N-[N-[3-(3-hydroxy-4-methoxyphenyl)propyl]- α -L-aspartyl]-L-phenylalanine 1-methyl ester, monohydrate		
Molecular Formula:	C ₂₄ H ₃₂ N ₂ O ₇ ·H ₂ O	Molecular Weight:	476.5
Packaging:	Net 200g x 10 bags in a carton box		

Specifications	Standard value	Test / Remarks
Identification	conform to standard	Ajinomoto Method (FT-IR, KBr)
Assay	97.0% - 102.0%	Ajinomoto Method (HPLC)
ANS9801-acid	Not more than 1.0%	Ajinomoto Method (HPLC)
Total other related substances	Not more than 1.5%	Ajinomoto Method (HPLC)
Water	2.5% - 5.0%	Ajinomoto Method (Karl Fischer)
Residue on ignition	Not more than 0.2%	JP
Lead	Not more than 1mg/kg	Ajinomoto method (AAS)
Specific rotation [α] _D ²⁰	-45° to -38°	JP
Total aerobic bacteria	Not more than 250cfu/g	Ajinomoto method