



AJITIDE® I+G

Technical Data Packet

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SPECIFICATIONS

PRODUCT DESCRIPTION:

AJITIDE® I+G consists of odorless, colorless to white crystals with a 50:50 compositional ratio of Disodium 5' Inosinate (IMP) and Disodium 5' Guanylate (GMP). AJITIDE® I+G has a characteristic taste and is certified Kosher and Halal.

ANALYSIS	SPECIFICATION	METHOD
Assay	97.0 – 102.0%	Spectrophotometric
State of solution	Not more than 0.06	Spectrophotometric
pH	7.0 – 8.5	JECFA
Water content	Not more than 27.0%	JECFA
Related foreign substances	Chromatographically not detectable	JECFA
Amino acids	Not detected	JECFA
Ammonium salts	Passes test	Litmus test
Arsenic (As)	Not more than 1 µg/g	JECFA
Lead (Pb)	Not more than 1 µg/g	JECFA
Heavy metals (as Pb)	Not more than 10 µg/g	Colorimetric
Total viable count	Not more than 500 cfu/g	JECFA
Aerobic heat-resistant bacteria	Not more than 50 cfu/g	JECFA
Yeast and Mold	Not more than 50 cfu/g	JECFA
Coliform bacteria	Negative/g	JECFA

PACKAGING:

AJITIDE® I+G is packaged in 10kg and 20kg quantities in a sealed plastic bag inside of a cardboard box.

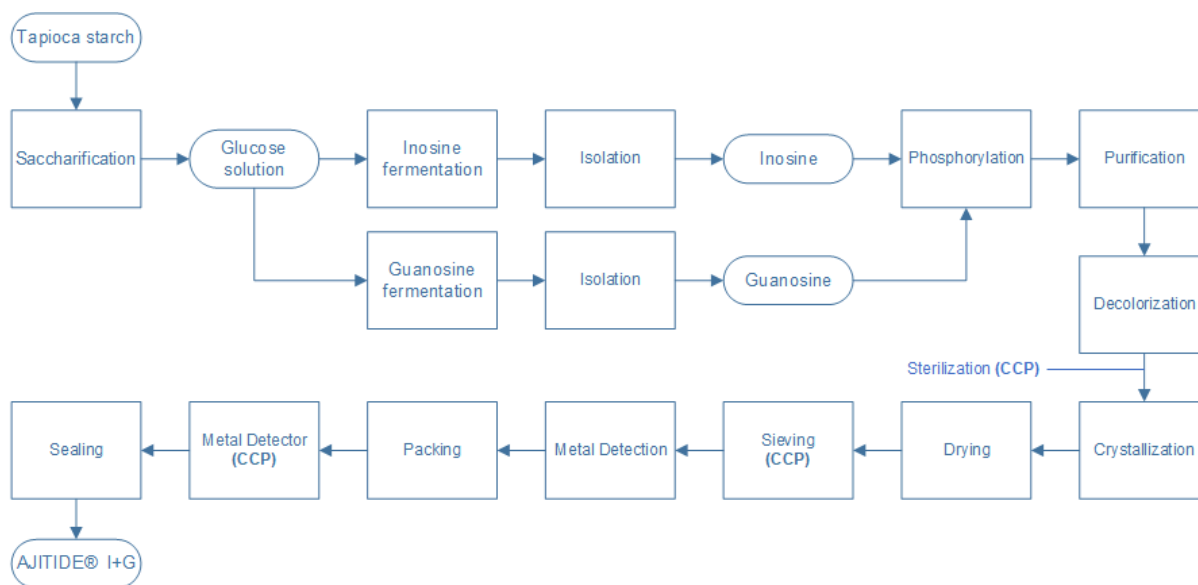
SHELF-LIFE AND STORAGE CONDITIONS:

AJITIDE® I+G is stable for 5 years or more from the manufacturing date when stored in a clean, dry and well-ventilated area at room temperature in the original sealed packaging, away from odorous materials.

INGREDIENT STATEMENT:

Disodium Inosinate, Disodium Guanylate.

HACCP PROCESS FLOW DIAGRAM



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ALLERGEN INFORMATION

ALLERGEN (EXAMPLES)	CONTAINS	DOES NOT CONTAIN
Peanuts or their derivatives (e.g., nut, oil, flour, etc.)		X
Milk or its derivatives (e.g., sodium caseinate, whey, lactose, etc.)		X
Egg or its derivatives (e.g., egg white, egg yolk, etc.)		X
Wheat and triticale or their derivatives (e.g., flour, starches, etc.)		X
Tree nuts or their derivatives (e.g., almond, Brazil nut, cashew, chestnut, coconut, hazelnut, macadamia nut, pecan, pine nuts, pistachio, walnuts, etc.)		X
Soybeans or their derivatives (e.g., lecithin, soy flour, hydrolyzed soy protein, etc.)		X
Fish and/or its derivatives (e.g., bass, flounder, cod, fish oil, fish eggs, etc.)		X
Mollusks, molluscan shellfish, or their derivatives (e.g., oysters, squid, clams, etc.)		X
Crustacean shellfish or its derivatives (e.g., lobster, crab, shrimp, crayfish, etc.)		X
Sesame or its derivatives (e.g., seeds, oil, tahini, etc.)		X
Mustard or its derivatives (e.g., seeds, flour, bran, etc.)		X
Sulfites (e.g., sodium sulfite, sodium bisulfite, potassium metabisulfite, sulfur dioxide, etc.)		X

CALIFORNIA “PROPOSITION-65”

The AJITIDE® I+G product, as sold by Ajinomoto Health & Nutrition North America, Inc., does not contain ingredients on the list of chemicals published under California “Proposition-65,” formally recognized as the Safe Drinking Water and Toxic Enforcement Act of 1986, that are known to cause cancer, birth defects, or other reproductive harm.

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ADDITIONAL SAFETY INFORMATION

We hereby certify that our AJITIDE® I+G product, as sold by Ajinomoto Health & Nutrition North America, Inc., is a “food grade” material which, to the best of our knowledge, does not include materials which may present a risk to contain the hazardous substances listed below. Where applicable, in our product none of the below hazardous substances are expected to exceed the allowable limits established by regulations in North America. The product is manufactured in a facility which has implemented current Good Manufacturing Practices (GMPs).

HAZARD
Aflatoxins (i.e., toxins produced by fungi/molds)
Antibiotic residues or growth hormones (e.g., sulfonamides, nitrofurans, rBGH)
BSE/TSE hazardous materials
Butylated hydroxyanisole (BHA) or butylated hydroxytoluene (BHT)
Ethylene oxide (i.e., used in some regions to treat certain foods)
Genotoxic substances (e.g., acrylamide, dioxins from herbicides)
Heavy metals (e.g., arsenic, lead, cadmium)
Partially hydrogenated oils
Pesticide or herbicide residues (e.g., organophosphates like chlorpyrifos, herbicides like glyphosate or atrazine)
Plasticizers (e.g., phthalates, benzoates)
Radioactive residues (e.g., radioactive cesium, uranium, or strontium)
Residual solvents (e.g., methanol, ethanol)
Unapproved food or color additives (e.g., Sudan red dyes, melamine)

COUNTRY OF ORIGIN

The following product originates from Thailand.

COMMODITY: AJITIDE® I+G

MANUFACTURER: Ajinomoto Co., (Thailand) Ltd.
 369 Mu 3, Kamphaeng Phet-Tha Makhua Road Tambon Khonthee, Amphoe Muang,
 Kamphaeng Phet 62000, Thailand

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NATIONAL BIOENGINEERED FOODS DISCLOSURE STANDARD (NBFDS) STATUS

Per our interpretation of the NBFDS Final Rule, our AJITIDE® I+G product is not considered BE food. A detailed breakdown of our interpretation of our product's ingredients in light of the Standard is available upon request.

CLAIMS INFORMATION

The table below represents an assessment of the product's potential for use in products making specific claims about which our customers routinely request information. The information shared is in no way intended to represent or provide warranty that these claims are broadly suitable for all potential applications of our products. Thus, our customers are fully responsible for determining the appropriateness of using any of these various label claims on their goods. The information shared is only offered for informational purposes.

POTENTIAL CLAIM	MAY BE SUITABLE	NOT SUITABLE
Gluten Free (i.e., product complies with the US FDA regulatory definition for "gluten free" found in 21 CFR 101.91)	X	
Halal (i.e., product is certified by an accepted authority as being suitable for a halal diet)	X	
Kosher (i.e., product is certified by an accepted authority as being suitable for a kosher diet)	X	
Organic (i.e., product has been produced without prohibited and excluded substances, methods, and ingredients defined in the National Organic Program maintained by USDA-AMS)		X
Vegan ¹ (i.e., product does not contain ingredients of animal origin, including milk, eggs, honey, and gelatin)	X	
Vegetarian ² (i.e., product is derived from plants but may contain egg or milk ingredients)	X	

¹The term "vegan" has no broadly agreed legal definition accepted by North American regulatory bodies, and many certifications exist which attempt to define the term. Thus, no single definition can be broadly applied.

²The term "vegetarian" has no broadly agreed legal definition accepted by North American regulatory bodies, and many certifications exist which attempt to define the term. Thus, no single definition can be broadly applied.

The decision to use any of the above label descriptors by our customers is to be solely made by individuals within their organization and, where applicable, in discussion with their accredited certifying agent.

INGREDIENT BREAKDOWN

INGREDIENT	QUANTITY RANGE (%)
Disodium Inosinate	50
Disodium Guanylate	50

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NUTRITION INFORMATION

Values based on a 100g sample of product	
Calories (kcal)	163
Total Fat (g)	0
Saturated Fat (g)	0
Trans Fat (g)	0
Cholesterol (mg)	0
Sodium (mg)	8,100
Total Carbohydrate (g)	0
Dietary Fiber (g)	0
Total Sugars (g)	0
Added Sugars (g)	0
Protein (g)	0
Vitamin D (mcg)	0
Calcium (mg)	2.6
Iron (mg)	<0.2
Potassium (mg)	0
Additional Information	
Ash (%)	26.0
Moisture (%)	20.1

ATTESTATION

We certify that we reviewed the contents of this technical data sheet as current and accurate as of the issue date listed at the bottom of each page. We review specification sheets at least every three years or when changes impact the product's regulatory compliance, food safety, or quality.

Please note that the information contained in this packet is provided for informational purposes only and should not be construed as legal advice on any subject matter. No action taken or failed to be taken on the basis of any content in this packet should be done without seeking legal or other professional advice. Ajinomoto Health & Nutrition North America, Inc. expressly disclaims any warranties, express or implied, including warranties of merchantability or fitness for a particular purpose and all liability for actions, whether taken or those failed to be taken, based on any content in this packet. Ajinomoto Health & Nutrition North America, Inc. will be indemnified and held harmless from any costs, expenses (including attorney fees and other court costs), claims or damages incurred due to the misuse of any contents of this packet.

Eyassu Abegaz, PhD
 Senior Director - Scientific & Regulatory Affairs

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