

## **LETTER OF DECLARATION**

For the attention of

**DEKO INTERNATIONAL CO., LTD.**

4283 Shoreline Drive, Earth City, MO 63045, USA

**Reference: 996 / 22 / CN - VDN**

**Subject: Product Specification Statement**

We, Vedan Vietnam Enterprise Corporation Limited, hereby declare that the product Monosodium Glutamate manufactured by Vedan has a quality specification as the attachment file.

The present declaration shall come into force upon its signature.

Done at Dong Nai province, Vietnam, on the 11<sup>th</sup> day of August, the year 2022,



**PHẦN THỊ HUY HA**

QA & Central Laboratory Division Manager

## SPECIFICATION OF MONOSODIUM GLUTAMATE (F60BB)

Updated date: Aug. 11, 2022

Item	Unit	Specification of product	Test method
Nomenclature		Monosodium L-Glutamate, Monosodium Glutamate, Sodium Glutamate, MSG	
Grade		Food grade (F.C.C)	
Formula		$C_5H_8NNaO_4 \cdot H_2O$	
Molecular weight		187.13	
Description		Monosodium L-Glutamate is a white, odorless and slightly salty, free flowing crystal or crystalline powder. It complies with the specification of the Food Chemicals Codex (E621)	PD100069
Identification			
1) Qualitative test for sodium		1) Occur typical reaction of sodium	JSFA
2) Qualitative test for glutamate		2) Occur typical reaction of glutamate	JSFA
Assay (calculated on the dried basis)	% (w/w)	Not less than 99.0% as Monosodium Glutamate monohydrate	JSFA
Specific rotation ( $[\alpha]_D^{20}$ )		Between +24.8° and +25.3°	TCVN 1459:2008
Loss on drying	% (w/w)	Max 0.22	TCVN 1459:2008
Chloride (Cl <sup>-</sup> )	% (w/w)	Max 0.2	JSFA
pH (2% aqueous solution)		6.7 to 7.2	TCVN 1459:2008
Clarity and color of solution		Passes Food Chemicals Codex Test	FCC
Smell	Level	0 ~ 1	PD100069
Spots	Spot	Max 20/200g	PD100124
Pyrrolidone carboxylic acid		Negative	Test method of the external laboratory
Heavy metal (as Pb)	µg/g	Max 10	JSFA
Arsenic (as As <sub>2</sub> O <sub>3</sub> )	µg/g	Max 1	JSFA
Lead (Pb)	µg/g	Max 1	ISO 17025 the accredited method
Copper (Cu)	µg/g	Max 1	ISO 17025 the accredited method
Cadmium (Cd)	µg/g	Max 1	ISO 17025 the accredited method
Mercury (Hg)	µg/g	Max 0.05	ISO 17025 the accredited method
Total aerobic plate count	CFU/g	Max 10 <sup>3</sup>	FDA bacteriological manual-2001 (Chapter 3)
Yeast and Mold	CFU/g	Max 10 <sup>2</sup>	FDA bacteriological manual-2001 (Chapter 18)
Coliforms	CFU/g	Max 10	AOAC (991.14)
E. coli	CFU/g	Negative	AOAC (991.14)
Salmonella spp.	/375g	Negative	ISO 17025 the accredited method
Enterobacteriaceae	CFU/g	Max 10	ISO 17025 the accredited method
Mesh	60 ↑	% (w/w)	PD100005
	140 ↓	% (w/w)	

Shelf life: 3 years.

Packaging: 50lbs paper bag.



QA & Central Laboratory Division Manager

Phan Thi Huy Ha

## SPECIFICATION OF MONOSODIUM GLUTAMATE (M)

Updated date: Aug. 11, 2022

Item	Unit	Specification of product	Test method
Nomenclature		Monosodium L-Glutamate, Monosodium Glutamate, Sodium Glutamate, MSG	
Grade		Food grade (F.C.C)	
Formula		$C_5H_8NNaO_4 \cdot H_2O$	
Molecular weight		187.13	
Description		Monosodium L-Glutamate is a white, odorless and slightly salty, free flowing crystal or crystalline powder. It complies with the specification of the Food Chemicals Codex (E621)	PD100069
Identification			
1) Qualitative test for sodium		1) Occur typical reaction of sodium	JSFA
2) Qualitative test for glutamate		2) Occur typical reaction of glutamate	JSFA
Assay (calculated on the dried basis)	% (w/w)	Not less than 99.0% as Monosodium Glutamate monohydrate	JSFA
Specific rotation ( $[\alpha]_D^{20}$ )		Between +24.8° and +25.3°	TCVN 1459:2008
Loss on drying	% (w/w)	Max 0.22	TCVN 1459:2008
Chloride (Cl <sup>-</sup> )	% (w/w)	Max 0.2	JSFA
pH (2% aqueous solution)		6.7 to 7.2	TCVN 1459:2008
Clarity and color of solution		Passes Food Chemicals Codex Test	FCC
Smell	Level	0 ~ 1	PD100069
Spots	Spot	Max 20/200g	PD100124
Pyrolidone carboxylic acid		Negative	Test method of the external laboratory
Heavy metal (as Pb)	µg/g	Max 10	JSFA
Arsenic (as As <sub>2</sub> O <sub>3</sub> )	µg/g	Max 1	JSFA
Lead (Pb)	µg/g	Max 1	ISO 17025 the accredited method
Copper (Cu)	µg/g	Max 1	ISO 17025 the accredited method
Cadmium (Cd)	µg/g	Max 1	ISO 17025 the accredited method
Mercury (Hg)	µg/g	Max 0.05	ISO 17025 the accredited method
Total aerobic plate count	CFU/g	Max 10 <sup>3</sup>	FDA bacteriological manual-2001 (Chapter 3)
Yeast and Mold	CFU/g	Max 10 <sup>2</sup>	FDA bacteriological manual-2001 (Chapter 18)
Coliforms	CFU/g	Max 10	AOAC (991.14)
E. coli	CFU/g	Negative	AOAC (991.14)
Salmonella spp.	/375g	Negative	ISO 17025 the accredited method
Enterobacteriaceae	CFU/g	Max 10	ISO 17025 the accredited method
Mesh	20 ↑	% (w/w)	PD100005
	60 ↓	% (w/w)	

Shelf life: 3 years.

Packaging: 50lbs paper bag.



Q&A Central Laboratory Division Manager

Phan Thi Huy Ha

## SPECIFICATION OF MONOSODIUM GLUTAMATE (F30B)

Updated date: Aug. 11, 2022

Item	Unit	Specification of product	Test method
Nomenclature		Monosodium L-Glutamate, Monosodium Glutamate, Sodium Glutamate, MSG	
Grade		Food grade (F.C.C)	
Formula		$C_5H_8NNaO_4 \cdot H_2O$	
Molecular weight		187.13	
Description		Monosodium L-Glutamate is a white, odorless and slightly salty, free flowing crystal or crystalline powder. It complies with the specification of the Food Chemicals Codex (E621)	PD100069
Identification			
1) Qualitative test for sodium		1) Occur typical reaction of sodium	JSFA
2) Qualitative test for glutamate		2) Occur typical reaction of glutamate	JSFA
Assay (calculated on the dried basis)	% (w/w)	Not less than 99.0% as Monosodium Glutamate monohydrate	JSFA
Specific rotation ( $[\alpha]_D^{20}$ )		Between +24.8° and +25.3°	TCVN 1459:2008
Loss on drying	% (w/w)	Max 0.22	TCVN 1459:2008
Chloride (Cl <sup>-</sup> )	% (w/w)	Max 0.2	JSFA
pH (2% aqueous solution)		6.7 to 7.2	TCVN 1459:2008
Clarity and color of solution		Passes Food Chemicals Codex Test	FCC
Smell	Level	0 ~ 1	PD100069
Spots	Spot	Max 20/200g	PD100124
Pyrrolidone carboxylic acid		Negative	Test method of the external laboratory
Heavy metal (as Pb)	µg/g	Max 10	JSFA
Arsenic (as As <sub>2</sub> O <sub>3</sub> )	µg/g	Max 1	JSFA
Lead (Pb)	µg/g	Max 1	ISO 17025 the accredited method
Copper (Cu)	µg/g	Max 1	ISO 17025 the accredited method
Cadmium (Cd)	µg/g	Max 1	ISO 17025 the accredited method
Mercury (Hg)	µg/g	Max 0.05	ISO 17025 the accredited method
Total aerobic plate count	CFU/g	Max 10 <sup>3</sup>	FDA bacteriological manual-2001 (Chapter 3)
Yeast and Mold	CFU/g	Max 10 <sup>2</sup>	FDA bacteriological manual-2001 (Chapter 18)
Coliforms	CFU/g	Max 10	AOAC (991.14)
E. coli	CFU/g	Negative	AOAC (991.14)
Salmonella spp.	/375g	Negative	ISO 17025 the accredited method
Enterobacteriaceae	CFU/g	Max 10	ISO 17025 the accredited method
Mesh	30 ↑	% (w/w)	PD100005
	80 ↓	% (w/w)	

Shelf life: 3 years.

Packaging: 50lbs paper bag.



COA & Central Laboratory Division Manager

Phan Thi Huy Ha

## SPECIFICATION OF MONOSODIUM GLUTAMATE (F30B)

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Item	Unit	Specification of product	Test method
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pH (2% aqueous solution)		6.7 to 7.2	TCVN 1459:2008
Clarity and color of solution		Passes Food Chemicals Codex Test	FCC
Smell	Level	0 ~ 1	PD100069
Spots	Spot	Max 20/200g	PD100124
Pyrrolidone carboxylic acid		Negative	Test method of the external laboratory
Heavy metal (as Pb)	µg/g	Max 10	JSFA
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Cadmium (Cd)	µg/g	Max 1	ISO 17025 the accredited method
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Coliforms	CFU/g	Max 10	AOAC (991.14)
E. coli	CFU/g	Negative	AOAC (991.14)
Salmonella spp.	/375g	Negative	ISO 17025 the accredited method
Enterobacteriaceae	CFU/g	Max 10	ISO 17025 the accredited method
Mesh	30 ↑	% (w/w)	PD100005
	80 ↓	% (w/w)	

Shelf life: 3 years.

Packaging: 2000lbs jumbo bag.



QA & Central Laboratory Division Manager

Phan Thi Huy Ha