

CERTIFICATE OF ANALYSIS

MANUFACTURER:JIANGYIN HUACHANG FOOD ADDITIVE CO.,LTD.
 ADDRESS:Wa Yan Qiao Tu,Huangtu Town,,Jiangyin City, Jiangsu
 CAS No.:107-35-7

Name of product: TAURINE JP17/USP39	CONTRACT NO:FG1803008-1
Batch size 16000kgs	Batch No:1805152
Manufacture date:May 27,2018	Reported date:May 31,2018
Specification	
PO: 8044087/40727	
Standard of USP39	
Without Anti-Caking Agent	
Packing is: 25kg/carton	
Expiry date:May 26,2021	

Characteristics	Standard of USP39	Testing Result	Testing Method of JP17	Testing Method of USP39
1.Clarity and color of solution	A white crystalline powder,odorless	A white crystalline powder,odorless	Visual,Organoleptic	Visual,Organoleptic
2.pH Value	Clear and colorless between 4.1 and 5.6	Pass test	Page 1142(JP17 Monographs)
3.Identification	Positive	5.01	Page 1142(JP17)
4.Chloride	0.011%max	Positive	Infrared spectrophotometry (JP17:General tests 2.25)	USP39 chapter (197k)
5.Sulfate	0.010%max	<0.011%	Chloride limit tests (JP17:General tests 1.03)	Chloride limit tests (USP39 chapter (221))
6.Ammonium	0.02%max	<0.010%	Sulfate limit tests (JP17:General tests 1.14)	Sulfate limit tests (USP39 chapter (221))
7. Heavy metals	10ppm max	<0.02%	Ammonium limit tests (JP17:General tests 1.02)
7-1 Cadmium	1 ppm max	<10ppm	Heavy metals limit tests (JP17:General tests 1.07)	Heavy metals limit tests (USP39 chapter (231))
7-2 Mercury	0.1 ppm max	< 1ppm		
7-3 Lead	3 ppm max	< 0.1ppm		
7-4 Arsenic	1 ppm max	< 3ppm		
8. Iron	10ppm max	< 1ppm		
9.Arsenic	2ppm max	<10ppm		
10. Related substances	Meets the requirements	<2ppm	(JP17:General tests 1.10)	(USP39 chapter (241))
11. Loss on drying	0.2%(105℃,2hours)max	Meets the requirements	(JP17:General tests)
12. Residue on ignition	0.1%max	0.10%	(JP17:General tests 2.03)
13. Assay	99.0%~101.0%	0.09%	Loss on drying test (JP17:General tests 2.41)	1g (105℃/3hours (USP39 chapter (731))
14.Total plate count	NMT 1000/g	99.26%	Residue on ignition test (JP17:General tests 2.44)	Residue on ignition test (USP39 chapter (281))
15.Mold/Yeast	NMT 100/g	<10/g	Titrimetry (JP17:General tests 2.50)	(USP39 chapter (461))
16.E.coli	Negative/10g	<10/g		
17.Staphylococcus aureus	Negative/10g	Not found	(CP2010:Addenda XI J)	(CP2010:Addenda XI J)
18.Coliforms	30cfu/100g max	Not found		
19.Salmonella	Negative/25g	30cfu/100g max		
20.Chromatographic purity	Negative/25g	Not found		
21.Enterobacteriaceae	Negative/1g	<0.5%		
22.Particle size	Negative/1g	Not found		
		99.5% THROUGH 30MESH	(JP17:General tests 5.02)	(JP17:General tests 5.02)

We hereby certify our product is BSE/TSE free.
 Country of origin:China

Inspector *Fang Lijin* chief of QC *Xue Tao* chief of quality and technology *Yang Hongyong*

