

# CERTIFICATE OF ANALYSIS

MANUFACTURER: QIANJIANG YONGAN PHARMACEUTICAL CO., LTD

ADDRESS: NO.2 GUANGZE ROAD, QIANJIANG, HUBEI, CHINA PHONE NO.86 728 6201636

Name of product: TAURINE JP17/USP39 WITHOUT ANTICAKING AGENT, FOOD GRADE	CAS No. 107-35-7	PO NO.: IMP#8042303/37491
Batch size: 3000kgs	Packing in 25kg/carton	
Manufacture date: Jul.20,2017	Expiry date: Jul.19,2020	

Item of Inspection	Standard of JP17	Standard of USP39	Testing result	Testing Method of JP17	Testing Method of USP39
Characteristics:	A white crystalline powder, odorless		A white crystalline powder, odorless	Visual , Organoleptic	Visual , Organoleptic
1. Identification:	Positive	Positive	Positive	Infrared spectrophotometry (JP16:General tests 2.25)	(USP38 chapter <197K>)
2. Clarity and color of solution:	Clear and colorless	-----	Pass test	Page 1142 (JP16 Monographs)	-----
3. Chloride:	0.011%max	0.05%max	<0.010%	Chloride limit test (JP16:General tests 1.03)	Chloride limit test (USP38 chapter <221>)
4. Sulfate:	0.010%max	0.03%max	<0.010%	Sulfate limit test (JP16:General tests 1.14)	Sulfate limit test (USP38 chapter <221>)
5. Ammonium:	0.02%max	-----	<0.015%	Ammonium limit test (JP16:General tests 1.02)	-----
6. Heavy metals:	10ppm max	15ppm max	<8ppm	Heavy metals limit test (JP16:General tests 1.07)	Heavy metals limit test (USP38 chapter <231>)
7. Iron:	10ppm max	30ppm max	<10ppm	(JP16:General tests 1.10)	(USP38 chapter <241>)
8. PH:	4.1~5.6	-----	5.0	Page 1142 (JP16)	-----
9. Related substances:	Meet to requirement	-----	Meet to requirement	(JP16:General tests 2.03)	-----
10. Loss on drying:	0.20%(105°C, 2 hours)max	0.3%(105°C, 3hours)max	0.09%	Loss on drying test (JP16:General tests 2.41)	1g/105° C/3hrs (USP38 chapter <731>)
11. Residue on ignition:	0.1%max	0.3%max	0.08%	Residue on ignition test (JP16: General tests 2.44)	Residue on ignition test (USP38 chapter <281>)
12. Assay ( dried):	99.0%~101.0%	98.5%~101.5%	99.3%	Titrimetry (JP16:General tests 2.50)	(USP38 chapter <461>)
13. Total plate count:	NMT 1000/g	NMT 1000/g	<10/g	Microbial limit testing method (CP2015 :Addenda XI J)	Microbial limit testing method (CP2015 :Addenda XI J)
14. Mold:	NMT 50/g	NMT 50/g	<10/g		
15. Yeast:	NMT 50/g	NMT 50/g	<10/g		
16. Salmonella:	Negative/100g	Negative/100g	Not found		
17. Staphylococcus aureus:	1Positive per 3X1g	1Positive per 3X1g	Not found		
18. Enterobacteriaceae:	Negative/10g	Negative/10g	Not found		
19. Bacillus cereus total:	Max 100 per 1g	Max 100 per 1g	Not found		
20. Sulphite red clostridia:	Max 10 per 1g	Max 10 per 1g	Not found	Microbial limit testing method (CP2015 :Addenda XI J)	Microbial limit testing method (CP2015 :Addenda XI J)
21. Cronobacter spp (Enterobacter sakazakii)	Neg/20g	Neg/20g	Not found		
22. residual solvents	-----	Meet to requirement	Meet to requirement	-----	Residual solvents limits testing method(USP38 chapter<467>)

Remark: Lead: <1.5ppm(Testing methodGB/T5009.75-2003) Cadmium <0.1ppm(Testing methodGB/T5009.75-2003) Mercury <0.1ppm(Testing methodGB/T5009.75-2003) Arsenic: <1ppm (Testing method:CP2015 Addenda VIII J) E.coli: Not found(Testing method:CP2015 :Addenda XI J) Coliforms:Not found(Testing method:CP2015 Addenda XI J) Easily Carbonizable substances:Colourless(Testing method:CP2015 Addenda VIII O)

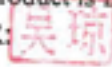
## Conclusion: Comply with JP17/USP39 FC GRADE

We hereby declare our product comply with GMP, ISO9001:2008, ISO22000. We hereby certify our product is BSE/TSE free.

AUTHORIZOR:



CHECKER:



TESTER:

