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## CERTIFICATE OF ANALYSIS

Product:	Taurine	Product Lot No.:	121D0513
Product Batch No.:	C002-YB1506099	Manu. Date:	May 13, 2015
Country of Origin:	China	Expiry Date:	May 12, 2018
CAS No.:	107-35-7	Starting Material:	Sodium bisulfite, Epoxyethane, Ammonia

Item	Specification	Result	Method
Color	White	White	Visual
Appearance	Crystalline	Crystalline	Visual
Color of Solution	Clear	Colorless	Visual
Clarity of Solution	Clear	Clear	Visual
Identification	Positive	Positive	Per Monograph
Assay (dry basis)	>= 98.50% minimum	99.10%	JP
Loss on Drying	<= 0.20%	0.13%	Per Monograph
Residue on Ignition	<= 0.10%	0.10%	Per Monograph
Chloride	<= 0.011%	< 0.011%	Per Monograph
Sulfate	<= 0.01%	< 0.01%	Per Monograph
pH Value	4.1 ~ 5.6	5.0	pH Meter
Related substance	0.2% max.	< 0.2%	Per Monograph
Carrier used (Excipient)	0.5% silicon dioxide (food grade)	0.5% silicon dioxide (food grade)	Report only
Ammonium	0.02% max.	< 0.02%	Per Monograph
Heavy Metals	10 ppm max.	< 10 ppm	Colorimetry
Arsenic	<= 1.0000 ppm	< 1.0000 ppm	AFS
Cadmium	<= 1.0000 ppm	< 1.0000 ppm	AAS
Lead	<= 1.0000 ppm	< 1.0000 ppm	AAS
Mercury	<= 1.0000 ppm	< 1.0000 ppm	AFS
Iron	<= 10.0 ppm	< 10.0 ppm	Per Monograph
Total Plate Count	<= 1,000 cfu/g	< 10 cfu/g	AOAC
Yeast & Mold	<= 100 cfu/g	< 10 cfu/g	AOAC
E. Coli	Negative	Negative	AOAC
Coliforms	<= 100 cfu/g	< 10 cfu/g	AOAC
Salmonella	Negative	Negative	AOAC

Staphylococcus Aureus	Negative	Negative	AOAC
Mesh Size	About 40 ~ 80 mesh	90% thru 40 ~ 80 mesh	Mesh Screen
Bulk Density	0.70 ~ 1.00 g/ml	0.86 g/ml	In-house
Tap Density	0.80 ~ 1.10 g/ml	0.96 g/ml	In-house
Conclusion	Conforms to specification of JP15.		
Storage	Store in a well-closed container away from moisture.		
Shelf Life	3 years if stored under the conditions above and stay in original packing.		

\*This Certificate of Analysis is reflective of our supplier and /or independent laboratory.