



# JINAN JUAN ESTER CHEMICAL CO.,LTD.

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## CERTIFICATE OF ANALYSIS

Product Name :	Betaine Anhydrous	Country of Origin:	China
Batch No.:	20170608	Quantity:	1000Kg
Manufacture Date:	Jun.08,2017	Package:	25Kg/Drum
Expiry Date:	Jun.07,2019	Reference Standard:	FCC

Item	Specification	Results	Test Method
Appearance	White crystalline powder	Conform	Visual
Assay(on dry basis)	NLT 98.0%	99.16%	Titration
Loss on Drying	NMT 2%	0.98%	Drying
pH(10% solution):	5.0-7.0	6.75	pH meter
Color	NMT 20	2	FCC
Sulphate:	NMT 0.01%	Conform	Colorimetric method
Residue on Ignition	NMT 0.2%	0.09%	Electric furnace(550°C)
Heavy Metals	NMT 10 ppm	Conform	Colorimetric method
Total Plate Count	NMT 1000cfu/g	Conform	Viable plate count
Yeast and Mold	NMT 100cfu/g	Conform	Viable plate count
E.coli:	Negative	Conform	USP<62>
Salmonella:	Negative	Conform	USP<62>
Staphylococcus:	Negative	Conform	USP<62>
Particle Size	Thru20 mesh	100%	Sieving

### Conclusion:

The test results correspond to FCC.

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