



JINAN JIUAN ESTER CHEMICAL CO.,LTD.
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CERTIFICATE OF ANALYSIS

Product Name :	Betaine Salicylate	Country of Origin:	China
Batch No.:	20160502	Quantity:	500Kg
Manufacture Date:	2016.05.11	Package:	25Kg/Drum
Expiry Date:	2018.05.10	Standard:	In-house standard

Item	Specification	Results	Test Method
Appearance	White crystalline granular powder	Conform	Visual
Assay (on a dry basis)	NLT 99%	99.22%	Non-aqueous titration
Loss on Drying	NMT 0.5%	0.11%	Drying(105°C 3h)
pH(1% aqua):	2.0-5.0	3.90	pH meter
Residue on Ignition	NMT 0.1%	0.02%	Electric furnace(550°C)
Heavy Metals	NMT 10 PPM	Conform	Colorimetric method
Arsenic	NMT 2 PPM	Conform	Colorimetric method
Total Plate Count	NMT 1000cfu/g	Conform	USP<61>
Yeast and Mold	NMT 100cfu/g	Conform	USP<61>
E.coli	Negative	Conform	USP<62>
Particle Size	Through 20 mesh	100%	Sieving

Conclusion:

The test results correspond to In-house standard.

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