



西安泽邦生物科技有限公司

XI'AN ZEBANG BIOLOGICAL TECHNOLOGY CO., LTD

### Certificate of Analysis

<b>Product Name:</b>	Azelaic acid	<b>Manufacture Date:</b>	April 18,2019
<b>Batch Number:</b>	DJHS190418	<b>Analysis Date:</b>	April 18,2019
<b>Batch Quantity:</b>	950 Kg	<b>Expiration Date</b>	April 17,2021

Test/Observation	Specifications	Result
Assay	99%	99.84%
Appearance	White to slightly yellow crystalline Powder	Complies
Odor & taste	Characteristic	Complies
Melting Point	95-105 °C	98.5 °C
Boiling Point	286 °C (13.3kPa)	Complies
Flashing Point	215 °C	Complies
Relative Density (Water=1)	6.5	Complies
Saturation Vapour Pressure (kPa)	0.13(178.3 °C)	Complies
Chlorides	NMT50ppm	Complies
Sulfates	NMT150ppm	Complies
Fe	NMT20ppm	Complies
Loss on drying	MAX. 0.3%	0.12%
Residue on ignition	MAX. 0.5%	0.27%
Heavy metals (PPM)	MAX.5 PPM	Complies
As	MAX.2 PPM	Complies
Pb	MAX.1 PPM	Complies
Hg	MAX.1 PPM	Complies
Conclusion	Conform with specifications.	
<b>Packing description</b>	Sealed export grade drum & double sealed plastic bag	
<b>Storage</b>	Store in sealed containers; Keep in cool & dry place not freeze. Avoid strong light and heat.	
<b>Shelf life</b>	2 years when properly stored	

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