



Add: 11,Tangyan south Rd, Xi ' an Shaanxi
 province, 710075,China
 Tel: 0086-29-88823263
 Fax: 0086-29-88265620

XI'AN Plant Bio-engineering Co.,Ltd

Certificate of Analysis

Product Name	Azelaic acid	CAS	123-99-9
Batch NO.	RES201111	MFG Date	Nov., 11, 2020
Batch Quantity	510kg	Expiry Date	Nov. , 10, 2022

Item	Specification	Result
Assay	Azelaic acid $\geq 99.0\%$	99.83%
Chlorides	$\leq 0.005\%$	$< 0.001\%$
Sensory Index		
Appearance	White crystal powder	Conforms
Smell	Characteristic	Conforms
Chemical and Physical index		
Identification	Must Positive	Conforms
	Comparable IR absorption with thereference	Conforms
Sulfates	$\leq 0.001\%$	$< 0.001\%$
Ash content	$\leq 0.1\%$	0.05%
Heavy Metals		
Arsenic	$\leq 3\text{mg/kg}$	Conforms
Pb	$\leq 2\text{mg/kg}$	Conforms
Fe	$\leq 2\text{mg/kg}$	Conforms
Cu	$\leq 5\text{mg/kg}$	Conforms
Microbe Tests		
Total Plate Count	$\leq 1000\text{cfu/g}$	Conforms
Total Yeast	$\leq 50\text{cfu/g}$	Conforms
E. Coliforms	$\leq 30\text{MPN}/100\text{g}$	Conforms
Salmonella	Negative	Conforms
Staphylococcus aureus	Negative	Conforms

Conclusion	Conform with Specification.
Storage	Store in a cool and dry place, keep away from direct strong and heat.
Shelf Life	24months if when properly stored