



Certificate of analysis

Product name: Azelaic acid

Cas number: 123-99-9

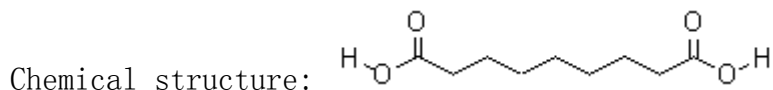
Molecular Formula: $C_9H_{16}O_4$

Molecular Weight: 188.2209

Date of production: Mar. 27, 2014

Batch No: 20140327

Exp Date: Mar. 26, 2015



Items	Specifications	Results
Appearance	White to slightly yellow monocline rhombus Crystalline, needle crystalline powder	Conforms
Identification	IR	Conforms
Clarity and color of solution	5ml 1% 1N NaOH solution is colorless and clear	Conforms
Chlorides	$\leq 0.005\%$	$< 0.005\%$
Sulphates	$\leq 0.025\%$	$< 0.025\%$
Heavy Metals	$\leq 0.001\%$	$< 0.001\%$
Fe	$\leq 0.002\%$	$< 0.002\%$
Assay	99.0%	99.58%
Particle Size	100% $< 50 \mu m$, min 30% $< 30 \mu m$	Conforms

Conclusion: It complies with the Enterprise Standard.

Analyst: Zhao

Checker: Liu

Q.C Director. Fang F