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## Typical Product Specifications & Properties

# Azelaic Acid

CAS Number: : 123-99-9

Specifications	Limits
Density	1.029 (204 c)
Slightly Soluble	in cold water
Melting Point	96 - 103°C
Monobasic Acids (wt.%)	2%
Color % Trans@ 440 nm	68 min. (1 part acid, 3 parts MeOH)
Dibasic Acid content (GLC wt.%)	
Greater than C9	12%
Color % Trans@ 550 nm	85 min. (1 part acid, 3 parts MeOH)
C9	79%
Equivalent weight	96
Acid Value	576 - 591
Less than C9	7%



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Specifications	Limits
Vapor Pressure	1 mm (178.3 c)
Molecular weight	188.23
Acid Number	580-598
Flash Point	210 c
Solubility	hot water, alcohol, org. solvs.
Boiling Point	365 c (dec.)
Chemical Structure	<p>Chemical structure of dodecanoic acid (C<sub>12</sub>H<sub>24</sub>O<sub>2</sub>) is shown, featuring a long hydrocarbon chain with carboxylic acid groups at both ends. The structure is overlaid with the Parchem logo and the text 'fine &amp; specialty chemicals'.</p>



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