



*The Power to Question*

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-234696  
Lot Number: SAMPLE  
Product Name: Dihydroxyfumaric acid hydrate  
CAS Number: 199926-38-0  
Molecular Formula:  $C_4H_4O_6$   
Molecular Weight: 148.07 (anhydrous basis)

Test	Specification	Result
Appearance (Color)	Off-white to yellow to beige	Beige
Appearance (Form)	Powder	Powder
Identification (Infrared Spectrum)	Complies with structure	Complies
Purity (Titration)	$\geq 97.5\%$ (dried basis with NaOH)	99.0 %
Solubility	50 mg/ml in $H_2O$	Complies
Solution (Color)	Colorless to light yellow	Faintly yellow
Solution (Turbidity)	Clear to slightly hazy	Clear
Loss on Drying	5 - 20 % loss	12.5 %

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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