



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-204673
Lot Number: SAMPLE
Product Name: (+)-Catechin (hydrate)
CAS Number: 88191-48-4
Molecular Formula: $C_{15}H_{14}O_6 \cdot H_2O$
Molecular Weight: 308.29

Test	Specification	Result
Identification (Infrared Spectrum)	Conforms with standard	Complies
Identification (Mass Spectrometry)	M-H+: 289.3 -CH ₃ CHO: 245.3 -Catechol: 179.3	M-H+: 289.2 -CH ₃ CHO: 245.2 -Catechol: 179.1
Purity (HPLC)	>98%	Retention Time Actual: 4.60 min Purity: 100.0 %
Purity (TLC)	>98%	Rf: 0.61 Purity %: 100.00
Melting Point	172-183°C	172-174°C
λ_{max}	280 nm	230, 281 nm

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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