



CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek. Certificate

Number. 2317548

Catalogue Number 11783 Lot Number A0468360

Description Esculin hydrate,97%

CAS Number 531-75-9
Quality Test/Release Date 03/Jan/2025
Suggested retest date 03/Jan/2030
Country of Origin BULGARIA
Declaration of Origin plant

BSE/TSE made from chestnuts bark

Result Name	Units	Specifications	Test Value
Appearance (Color)		White to cream	Almost white
Appearance (Form)		Powder	Powder
Infrared spectrum		Conforms	Conforms
Titration with NaOH	%	>=96.0 (On dry substance)	100.8 (On dry substance)
Water	%	=<8 (K.F.)	7.45 (K.F.)
Specific optical rotation	nm	-84° to -87° (20°C, 589 (c=1.5, dioxane/H2O 1:1)	-86° (20°C, 589) (c=1.5, dioxane/H2O 1:1)
Specific optical rotation		(on dry substance)	(on dry substance)

Geert Torfs Supervisor, QC

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.