

## CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by LRQA. Certificate Number. 10551915

Catalogue Number	A14529
Lot Number	A0467296
Description	^b-Cyclodextrin hydrate
CAS Number	68168-23-0
Quality Test/Release Date	24/Feb/2025
Suggested retest date	24/Feb/2028
Country of Origin	China
Declaration of Origin	Synthetic

Result Name	Units	Specifications	Test Value
Appearance (Color)		White	White
Form		Crystals or powder or crystalline powder	Crystalline powder
Identification (FTIR)		Conforms	Conforms
Water Content (Karl Fischer Titration)	%	5.0-15.0%	14.8
Optical Rotation	°	+155° to +167° (c=1 in water on dried substance)	+163.6



Paul Coleman  
Site Quality Manager

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.

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.