

## CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek Global Certificate Number. CERT-0120633

Catalogue Number	BP2653
Lot Number	255322
Description	DOXYCYCLINE
CAS Number	10592-13-9
Quality Test/Release Date	21/Nov/2025
Suggested retest date	30/Jun/2029
Country of Origin	China

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Yellow crystalline powder
ABSORBANCE AT 349NM		Inclusive Between 300 - 335	321
ETHANOL	%	Inclusive Between 4.3 - 6.0	5.0
HEAVY METALS	ppm	<= 50	<50
IDENTIFICATION	PASS/FAIL	IN PASS TEST	PASS TEST
LIGHT ABSORBING IMPURITIES (490NM)	PERCENT	<= 0.7	0.01
POTENCY	UG/MG	Inclusive Between 800 - 920	870.32
PURITY	%	Inclusive Between 95.0 - 102.0	96.5
SPECIFIC ROTATION	DEGREES	Inclusive Between 105 - 120	111
SULFATED ASH	%	<= 0.4	0.09
WATER (H2O)	%	Inclusive Between 1.4 - 2.8	1.9
pH		Inclusive Between 2.0 - 3.0	2.4



Ash Frey  
Supervisor, Quality Control

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 use or further manufacturing. 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.