

## Certificate of Analysis

**Product Name:** MCFARLAND STD SET- 0.5-1-2-3-4  
**Product Code:** R20421  
**Lot Number:** 6226137  
**Expiration Date:** 22.06.2026  
**Date of Manufacture:** 29.04.2025

\*Date format is DD.MM.YYYY

Item	Description	Lot/Serial	Expire
W77BCL06G	McFarland Standard 0.5 Filled Bulk	6226165	22.06.2026
W77BCL07H	McFarland Standard 1.0 Filled Bulk	6226167	22.06.2026
W77BCL08J	McFarland Standard 2.0 Filled Bulk	6226169	22.06.2026
W77BCL09K	McFarland Standard 3.0 Filled Bulk	6226172	22.06.2026
W77BCL10L	McFarland Standard 4.0 Filled Bulk	6226175	22.06.2026

McFarland Equivalence Turbidity Standards are designed to be visual standards for determining approximate microorganism concentration.

A 0.5 McFarland Standard is approximately equivalent to 150 million cfus/ml.

A 1.0 McFarland Standard is approximately equivalent to 300 million cfus/ml.

A 2.0 McFarland Standard is approximately equivalent to 600 million cfus/ml.

A 3.0 McFarland Standard is approximately equivalent to 900 million cfus/ml.

A 4.0 McFarland Standard is approximately equivalent to 1.2 billion cfus/ml.

Variation in organisms' size and phase of log growth will affect organism density.

\*McFarland Equivalence 0.5 is defined by CLSI as 0.08 to 0.10 absorbancy at 625 nm.



Fay Curd  
Quality Assurance Manager