



659 Andover Street  
Lawrence, MA 01843-1032, USA  
Tel: 1.978.687.9200 Fax: 1.978.687.9216

## Certificate of Quality

Product Name: Charm MRL Beta-lactam 3 Minutes Test

Lot Number: MRLBL3-013C

Expiration Date: March 2024

Order Codes: LF-MRLBL3, LF-MRLBL3BC

This product was quality tested and met Charm Sciences' quality control criteria for release for sale including performance and appearance specifications.

A handwritten signature in black ink, appearing to read "Sam Atoui", is written over a horizontal line.

Name: Sam Atoui

Title: Quality Assurance Documentation Manager

Date: 06/05/2023

**TYPICAL COUNTS for**  
**Charm MRL Beta-lactam 3 Minute Test**

See Operator's Manual for use and application.

Kit Code: LF-MRLBL3

**Lot Number:      MRLBL3-013C**

Charm ROSA Reader

Negative Control	-2661	2315	4.2 ppb Penicillin G Tablet Positive Control
	-1672	2244	
	-1677	2186	
	-2232	1519	
	-1896	2524	
	-2060	1935	
	-1667	2318	
	-2330	1783	
	-2607	1827	
	-2184	1551	

Note: Typical counts are provided as a performance guide only.  
Operators' daily control numbers may be compared to the supplied information as an operator, equipment and analyzer calibration check. Daily control data should typically test in the range of data points provided.  
The control point for the MRL Beta-lactam 3 minute test is always zero.



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## CERTIFICATE OF ANALYSIS

PRODUCT: Penicillin G Positive Tablet  
(5.0 ml,  $5.0 \pm 0.5$  ppb or 6.25 ml,  $4.0 \pm 0.4$  ppb)

LOT NUMBER: STDP-024B

EXPIRATION DATE: October 2024

ORDER CODE: LF-PG5-TBL

DESCRIPTION: Contains  $25.0 \pm 2.5$  ng freeze dried Penicillin G manufactured from official USP (U. S. Pharmacopeia) Reference Standard Penicillin G Potassium, catalog number 50250.

Finished product quality control approval is based on Charm II Beta-lactam Test, Charm SL Beta-lactam Test and Charm MRL Beta-lactam Test testing within acceptable variation from a master control standard or freshly made standard from USP Reference Standard Penicillin G Potassium. Shelf life studies, heat stress studies and frozen stability studies are performed to verify operator's manual claims.

PREPARED BY: Sam Atoui

SIGNATURE:

A handwritten signature in black ink, appearing to read 'Sam Atoui', is written over a horizontal line.

TITLE: Quality Assurance Documentation Manager

DATE: 04/24/2023