



Certificate of Analysis

Daptomycin

Catalog Number: DA1004
Lot Number: 0621902
CAS Number: 103060-53-3
Molecular Formula: $C_{72}H_{101}N_{17}O_{26}$
Molecular Weight: 1620.67
Storage: $\leq -20^{\circ}C$
Date of Manufacture: March 15, 2019
Retest Date: March 14, 2021

Test	Specification	Result
Appearance	Light yellow powder	Conforms
Assay (Anhydrous)	$\geq 95.0\%$	97.06%
Identification (HPLC/IR/UV)	To match reference standards	Conforms
Specific Rotation	$+17^{\circ}$ to $+25^{\circ}$	$+20.3^{\circ}$
pH	4.0 – 5.0	4.35
Moisture	$\leq 5.0\%$	3.3%
Residue on Ignition	$\leq 1.0\%$	0.21%
Related Substances		
Anhydro-daptomycin (RRT=1.36)	$\leq 2.5\%$	0.32%
B-isomer (RRT=0.88)	$\leq 0.5\%$	0.35%
Hydrolytic Impurity	$\leq 0.5\%$	0.24%
Impurity 1	$\leq 0.75\%$	0.41%
Impurity 2	$\leq 0.75\%$	0.33%
Impurity 3	$\leq 0.75\%$	0.35%
Any Other Impurity	$\leq 0.15\%$	0.07%
Total Impurity	$\leq 5.0\%$	2.50%
Heavy Metals	$\leq 20ppm$	$< 20ppm$
Residual Ethanol	$\leq 0.5\%$	Not detected
Total Aerobic Count	$\leq 1,000cfu/g$	$< 1,000cfu/g$
Yeast & Mold	$\leq 100cfu/g$	$< 100cfu/g$
Bacterial Endotoxin	$\leq 0.3EU/mg$	$< 0.3EU/mg$

Approved by:

John Grubb, PhD
Gojira Fine Chemicals, LLC
Quality Manager

Date: June 24, 2019



Gojira Fine Chemicals, LLC

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