



## Specification

### Daptomycin

**Catalog Number:** DA1004  
**CAS Number:** 103060-53-3  
**Molecular Formula:**  $C_{72}H_{101}N_{17}O_{26}$   
**Molecular Weight:** 1620.67  
**Storage:**  $\leq -20^{\circ}C$   
**Retest Date:** Two years after date of manufacture.

Test	Specification
Appearance	Light yellow powder
Assay (Anhydrous)	$\geq 95.0\%$
Identification (HPLC/IR/UV)	To match reference standards
Specific Rotation	$+17^{\circ}$ to $+25^{\circ}$
pH	4.0 – 5.0
Moisture	$\leq 5.0\%$
Residue on Ignition	$\leq 1.0\%$
Related Substances	
Anhydro-daptomycin (RRT=1.36)	$\leq 2.5\%$
B-isomer (RRT=0.88)	$\leq 0.5\%$
Hydrolytic Impurity	$\leq 0.5\%$
Impurity 1	$\leq 0.75\%$
Impurity 2	$\leq 0.75\%$
Impurity 3	$\leq 0.75\%$
Any Other Impurity	$\leq 0.15\%$
Total Impurity	$\leq 5.0\%$
Heavy Metals	$\leq 20ppm$
Residual Ethanol	$\leq 0.5\%$
Total Aerobic Count	$\leq 1,000cfu/g$
Yeast & Mold	$\leq 100cfu/g$
Bacterial Endotoxin	$\leq 0.3EU/mg$

Approved by:

John Grubb, PhD  
Gojira Fine Chemicals, LLC  
Quality Manager  
Tel: 440-539-7033 Fax: 888-211-5523  
[john@gojiraafc.com](mailto:john@gojiraafc.com)

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# Gojira Fine Chemicals, LLC

Quality Products & Services Meeting Customer Needs  
5386 Majestic Parkway, Suite 7, Bedford Heights, OH 44146  
[www.gojirafc.com](http://www.gojirafc.com) • [sales@gojirafc.com](mailto:sales@gojirafc.com)

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