



## CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA  
Tel: (416) 665-9696, Fax: (416) 665-4439  
Email: orders.trc@lgcgroup.com Website: www.trc-canada.com

### 1. Identification

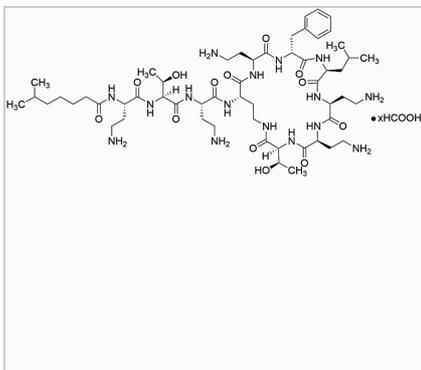
**Catalogue Number:** P689396

**CAS Number:** 34503-87-2

**Product:** Polymyxin B2 Formate Salt

**Synonym:** 1-[(2S)-4-Amino-2-[(6-methyl-1-oxoheptyl)amino]butanoic acid]polymyxin B1 Formate Salt; N2-(6-Methyl-1-oxoheptyl)-L-2,4-diaminobutanoyl-L-threonyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-D-phenylalanyl-L-leucyl-L-2,4-diaminobutanoyl-L-threonine (10?4)-lactam Formate Salt

**Structure:**



**Molecular Formula:**

$C_{55}H_{96}N_{16}O_{13} \cdot x(HCOOH)$

**Molecular weight:**

1189.45

**Source of Product:**

Synthetic

**Solubility:**

Methanol (Slightly), Water (Slightly)

**Lot Number:** 5-YAN-122-3

**Purity:** 95%

**Shipping Condition:** This Product Is Stable To Be Shipped At Room Temperature

**Storage Condition:** -20°C

### 2. Warning

**Warning 1:**

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Brown Solid	Pale Beige to Pale Brown Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 47.62, %H: 7.46, %N: 14.60
HPLC Purity	Report Result	98.56% (ELSD)
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	-69.8° (c = 0.1, Water)
Water Content	Report Result	~3.5% based on Elemental Analysis

**Additional Information:**

N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

### 4. Signatures

<b>Reviewed By</b>	<b>Reviewed By</b>	<b>C of A Approved By</b>	<b>Test Date</b>	<b>Retest Date</b>
Evan Burns	Toni Rantanen	Chanell Chu	10/12/2021	10/10/2025
				