

## Certificate Of Analysis

**Name:** Glatiramer Acetate  
**CAS No.:** 147245-92-9  
**Cat No.:** A851339  
**Batch No.:** G08122016  
**Mfg.Date:** 2016.12.08  
**Exp.Date:** 2018.12.07

Items	Specifications	Results
<b>Appearance</b>	White to slightly yellowish lyophilized material	Conforms
<b>Solubility</b>	Soluble in water, acetic acid Insoluble in ethanol	Conforms Conforms
<b>Acetate Content (anhydrous basis)</b>	9.5% - 12.0%	10.5%
<b>Amino Acid composition</b>	L-Alanine:3.50-5.50 L-Lysine:2.50-4.50 L-Glutamic acid:1.20-1.80 L-Tyrosine: 1.00	3.90 3.00 1.50 1.00
<b>Identification</b>	The infrared absorption spectrum characteristic absorption peak in 1640 to 1660,1530 to 1570 and 1380 to 1420.	Conforms
	275 ± 5 nm, 220 ± 5 nm and 195-210 nm wavelength of maximum absorption.	Conforms
<b>Water</b>	≤8.0%	5.7%
<b>The molecular weight distribution (MWD)</b>	4.7<Mw<11KDa	7923
<b>Bacterial Endotoxins</b>	≤6EU/mg	4EU
<b>Assay</b>	97~105%	101.36%
<b>Conclusion</b>	The product tested complies with the specifications.	

**Storage condition: Store in a tightly closed container in a cool and dry place.**

Checker:

*\* If you have any comments and suggestions, please contact us by [sales@amadischem.com](mailto:sales@amadischem.com)*