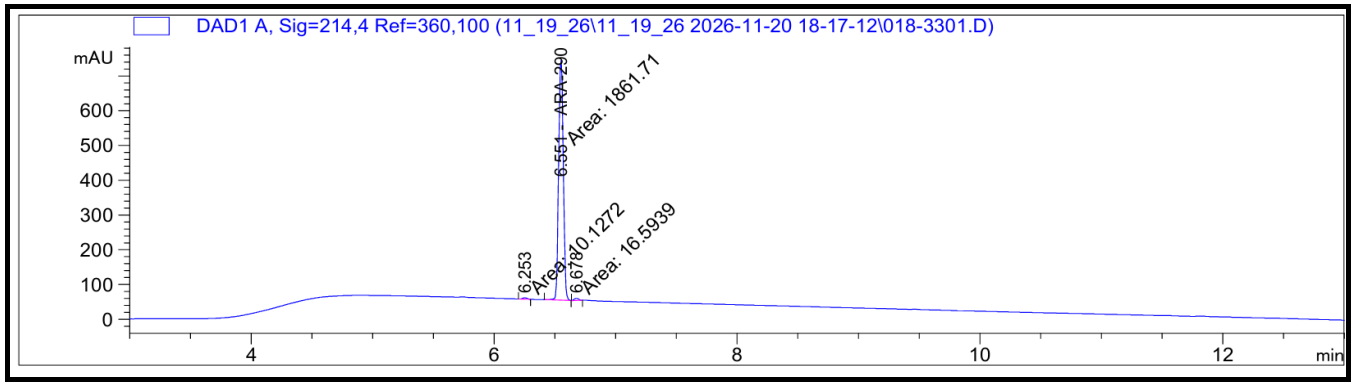
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

ARA-290 16 mg

Report To:
Minuteman Peptides, LLC

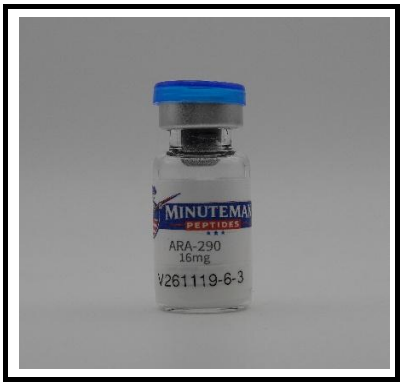
Compound: ARA-290
Quantity: 16 mg
Laboratory ID: V261119-6 003
Lot Number: ARA16-112026
Date Reported: 11/24/2026



Analysis	Method	Result
Identity: Retention Time	HPLC-UV/VIS	Pass - Matches Ref. Standard
Identity: Spectral Analysis	HPLC-UV/VIS	Pass - Matches Ref. Standard
Chromatographic Purity	HPLC-UV/VIS	98.59%
Quantity	HPLC-UV/VIS	18.43 mg
Solubility	Soluble in PBS	Pass
Endotoxins	LAL	<10.0 EU/vial*

**USP <85>/FDA endotoxin threshold for parenteral drugs is 5 EU/kg per hour (350 EU total for a 70 kg adult)*

Run ID: 261120, 261119



Report By: Dustin Newman, Laboratory Director on 11/24/2026

Approved By: Tori Johnson, Operations Manager on 11/24/2026

ISO 17025:2017 ACCREDITED LABORATORY

Please consult A2LA Certificate #6377.01 for a list of accredited tests. Samples were received in acceptable condition. The result(s) in this report relate only to the portion of the sample(s) tested. All analyses were performed consistent with the Vanguard Laboratory Quality Management System. Vanguard Laboratory and its staff did not observe or participate in the sample selection process, and cannot confirm the authenticity of the sample or its representativeness of the associated lot/batch. Blend purity is the combined chromatographic area % of peaks identified as the intended components, not absolute mass purity. It does not establish individual component purity, quantity, or ratio. Co-eluting or otherwise undetected impurities may not be included, despite peak-purity and spectral-library review.