Certificate of Analysis

ILS Laboratories
8222 Vickers St, Suite 106, San Diego, CA 92111
(619) 329-3999 | ils-lab.com

ARA-290 - 10mg

4x Tested

PASS

Tested for: Peptides Optimized

COA #:	**COA-2026-MMGEUT**	Analysis Date:	**10/23/2026**
Lot Number:	**RA10-L02**	Cap Color:	**White**
Labeled Content:	**10mg**	Date Received:	**10/20/2026**

Method: **Purity, Identity & Quantitation (HPLC)**

Scan to verify authenticity at ils-lab.com
Access Code: W953RLFA

Identity	Peptide Purity	
ARA-290	**99.40%**	Fentanyl Free

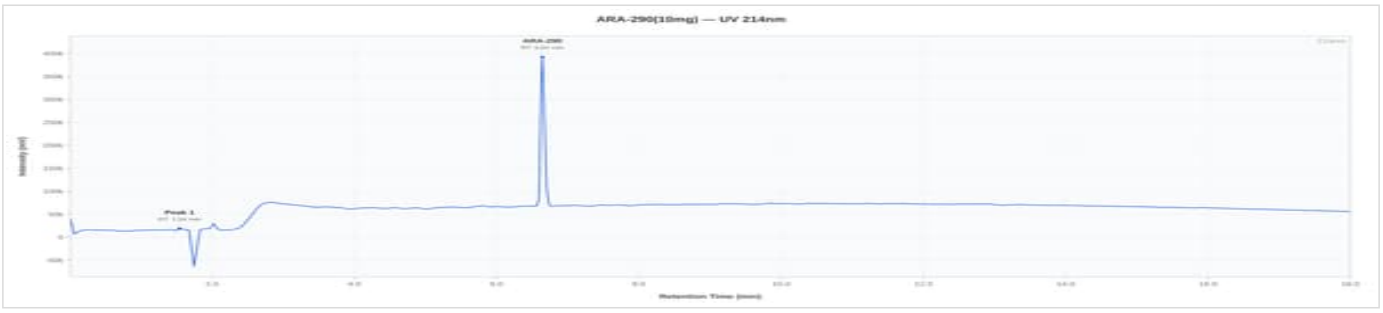


ARA-290 10mg - RA10-L02

Purity, Identity & Quantitation (HPLC)

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	**99.40%**	%	**PASS**
Net Peptide Content	Report Only	**10.68**	mg	N/A
Identity (HPLC-RTM)	ARA-290	**Confirmed**	-	**PASS**
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	**Not Detected**	-	**PASS**

HPLC Chromatogram



ARA-290 10mg - RA10-L02: UV Chromatogram

Certificate Change History — **ILS QA**

Revision 1 – reissued October 30, 2026
Certificate statement updated. Test results are unchanged. Supersedes the original issued 10/23/2026.

Notes & Methodology

1. Date Tested: 10/23/2026. Methods: Purity, Identity & Quantitation (HPLC).
2. The sample was confirmed to be ARA-290 by HPLC. Identification by chromatographic retention time comparison with a reference standard.
3. Peptide purity determined by RP-HPLC area normalization at 214 nm. Value represents the percentage of the target peptide relative to all peptide-related peaks. Non-peptide process-related impurities, if detected, are excluded from the calculation.
4. Quality System: ILS Laboratories operates an ISO/IEC 17025 quality management system. Peptide testing is performed for Research Use Only.
5. This certificate reports analytical results for the sample(s) submitted to ILS Laboratories for testing. All sample identifications, product names, brand names, lot/batch numbers, and labeled content are provided by the submitting party and have not been independently verified. Results reflect only the analytical testing of the specific sample(s) provided and do not constitute an evaluation or endorsement of the manufacturer's processes, quality systems, or overall production. ILS Laboratories makes no representations regarding the intended use, safety, efficacy, regulatory status, or intellectual property ownership of any materials tested.

Issued by ILS Laboratories
(619) 329-3999
ils-lab.com

Dr. Greg Kalyuzhny
Lab Director
10/23/2026

COA #: **COA-2026-MMGEUT**
Access Code: **W953RLFA**
Verify: portal.ils-lab.com/verify/wQJhRDGkNTdN3gam
Issued: 10/23/2026