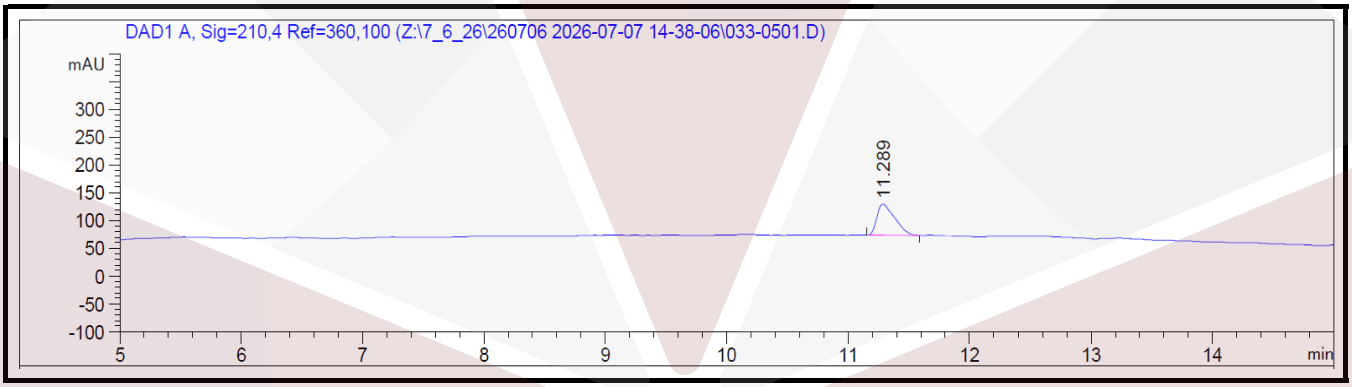
Vanguard Laboratory
2635 Parkmont Ln
Olympia, Wa 98502
360-967-7010

Certificate of Analysis

TUDCA Raw Powder

Report To:
Umbrella Labs

Compound: TUDCA
Matrix: Raw Powder
Laboratory ID: V260625-14 004
Lot Number: ULN-54551
Date Reported: 7/13/2026



Analysis	Method	Result
Chromatographic Purity	HPLC-UV/VIS	>99.80% ± 0.18%
Identity	HPLC-UV/VIS	Pass - Matches Ref. Standard

Report By: Dustin Newman, Laboratory Director on 7/13/2026

Approved By: Tori Johnson, Operations Manager on 7/13/2026

ISO 17025:2017 ACCREDITED LABORATORY

Please consult A2LA Certificate #6377.01.01 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.