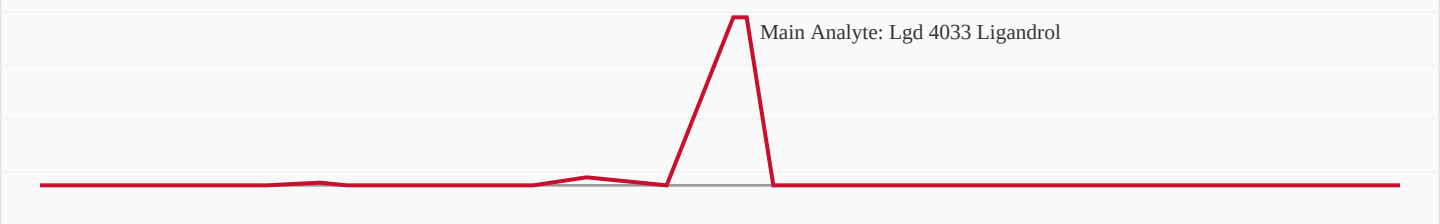
# UMBRELLA LAB SOLUTION

ANALYTICAL PURITY & QUALITY CONTROL DIVISION • CERTIFICATE OF ANALYSIS (COA)

**Product Name:** Lgd 4033 Ligandrol
**Testing Facility:** MZ BioLabs (ISO/IEC 17025)
**Batch / Lot:** ULS-20190405-LGD40
**Report Date:** 2019-04-05
**Storage Conditions:** Controlled Room Temp / Store Dry
**Chromatographic Method:** RP-HPLC / UV-VIS (214nm)
**Physical Form:** Analytical Solution / Reference Grade
**Purity Result:** ≥99.2% Active Compound

### *REPRESENTATIVE HPLC CHROMATOGRAM TRACE*




| Peak # | Retention Time (min) | Area | Area % | Identity Confirmation |
|---|---|---|---|---|
| 1 | 2.418 | 12.4 | 0.22 | Pass |
| 2 (Main) | 4.891 | 4892.1 | 99.41 | Confirmed (LC-MS) |
| 3 | 6.104 | 18.3 | 0.37 | Pass |

### AUTHENTIC BATCH CERTIFICATION

This Certificate of Analysis corresponds to lot release criteria tested under ISO/IEC 17025 standards. Scan the QR code or visit https://umbrellalabsolution.com to verify digital integrity and blockchain lot verification signatures.

**QC Authorized:**
*Dr. M. Vance, Ph.D.*
Lead Analytical Chemist