

# CERTIFICATE OF ANALYSIS

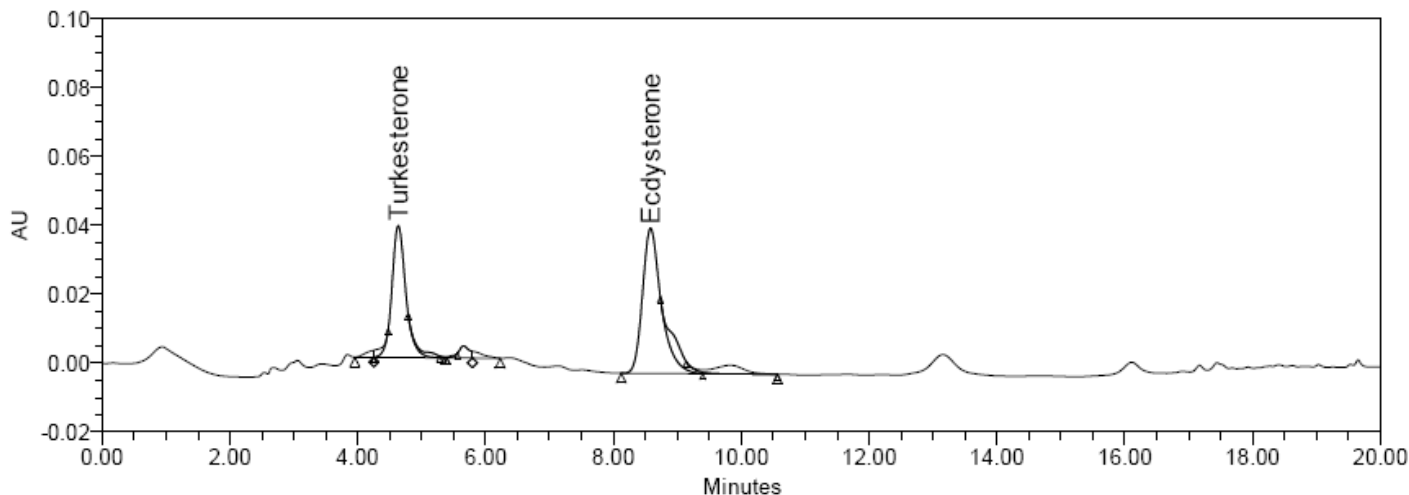


12661 HOOVER STREET GARDEN GROVE, CA 92841 | P. 714-754-4372 | F. 714-668-9972 | WWW.ALKEMIST.COM

**Report Issued To:** Nutracap Labs (Nutracap Holdings LLC)  
6080 McDonough Dr. ; Ste. A  
Norcross GA 30093  
USA

**Sample Name:** HTLT Supplements Turk Builder  
**Description:** Powdered extract; Fine brown powder  
**Lot #:** 2310055  
**AL #:** 23303NLP\_2  
**Analysis ID:** 215786  
**Received:** 10/30/23

## Determination of Phytoecdysteroids Content by HPLC



| Ret. Time (min) | Compound Name | Prep 1 (%) | Prep 2 (%) | Average (%) | Specification | Result |
|-----------------|---------------|------------|------------|-------------|---------------|--------|
| 4.6             | Turkesterone  | 5.011      | 4.969      | 4.990       | N/A           | N/A    |
| 8.6             | Ecdysterone   | 7.013      | 6.900      | 6.957       | N/A           | N/A    |
|                 | Total         | 12.024     | 11.869     | 11.947      | Report only   | N/A    |

### Chromatographic Conditions:

Method: ATM-815-0290  
Column: AP224 Luna 5 µm C18(2) 100A (250 x 4.6 mm)  
Temperature: 30°C  
Flow Rate: 1 mL/min  
Injection Volume: 10 µL  
UV Detection: 250 nm  
Mobile Phase: Water  
Methanol  
HPLC Instrument: Alliance\_5

### Sample Preparation:

Transferred approximately 25 mg of sample into a 25 mL volumetric flask. Added 20 mL of methanol, vortexed for 30 seconds and sonicated for 20 minutes at room temperature. Let cool and filled to volume with methanol. Mixed by inversion and filtered through a 0.45 µm PTFE syringe filter into an HPLC vial for analysis.

### Report Summary:

Conclusion: This "HTLT Supplements Turk Builder" test sample contains an average of 12% total phytoecdysteroids on the as is basis.  
OOS Reference: N/A  
Empower Reference: 31923 Turkesterone

**Analysis Date : 11/16/23      Analyzed By: Z Herrera**

**Authorized By: Diana Jimenez,  
Lead Analytical Chemist**