

VENOM ANALYSIS REPORT

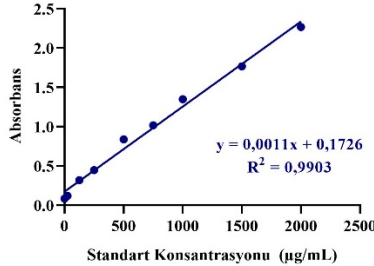
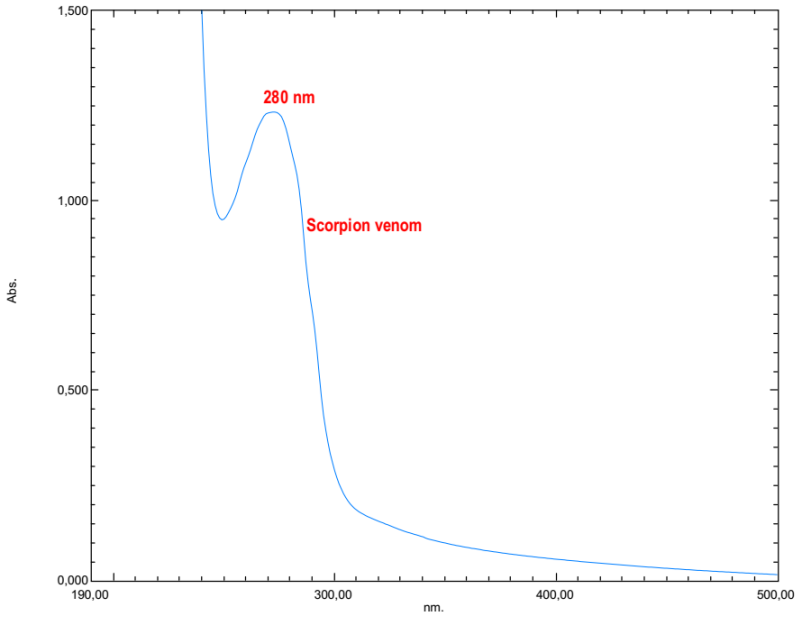
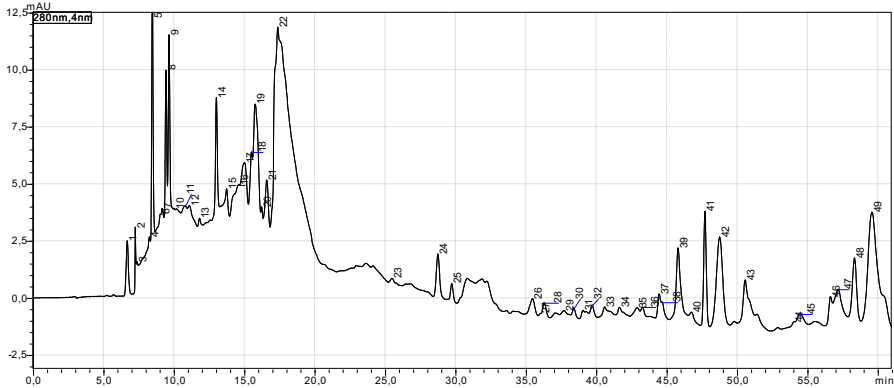
Analysis No:1000352243

COMPANY TITLE: PROTECT MMC (MMC-Mehdut mesulliyeti cemiyyeti)**COMPANY ADDRESS:** Nahçıvan Şehri H.Aliyev ev 11 m 23, AZERBAIJAN**TAX NO:** 0201534221**SCORPIO NAME:** *Androctonus kunti***Classified by:** Prof. Dr Ersen Aydın YAĞMUR**Origin:** Iğdır- Turkey**DELIVERY DATE OF SAMPLE:** 07.02.2026**SAMPLE INFORMATION:** Scorpion Venom in liquid form, 104 mg in transparent color.**SAMPLE PURITY:** %100**ANALYSIS DATE:** 05-09.02.2026**ANALYZES MADE:** UV-visible Spectrophotometric Analysis, pH Analyses, Protein Concentration (Density), SDS-PAGE and HPLC, Peptide Analyseswww.gbiologicalproducts.com**CLASSIFICATION:**

Domain: Eukaryota,
Kingdom : Animalia,
Phylum : Arthropoda,
Subphylum : Chelicerata,
Class: Arachnida
Order: Scorpiones,
Family: Buthidae
Genus: Androctonus
Species: <i>A. kunti</i>

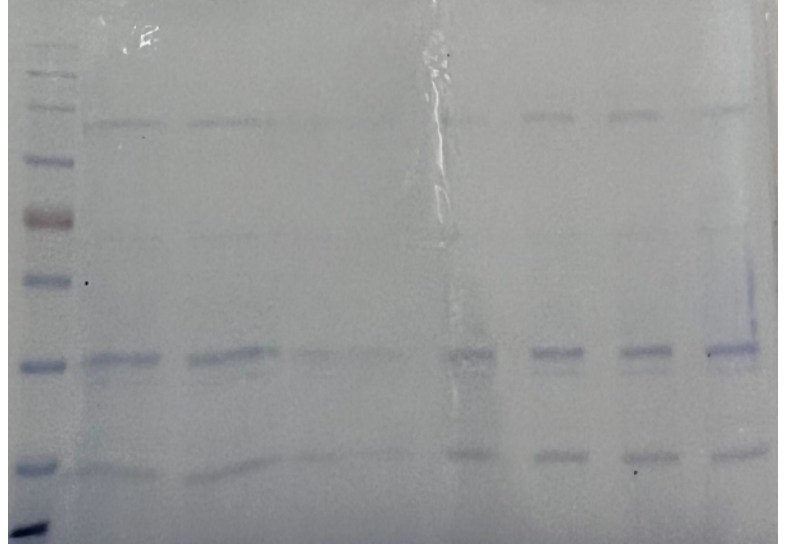
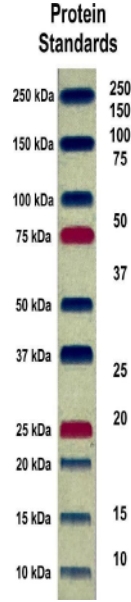


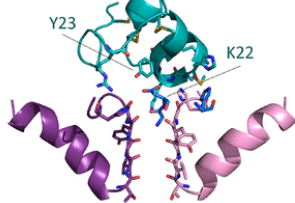
ANALYSIS RESULTS

Protein Concentration	The protein amount of the scorpion venom sample was calculated as 34.32 mg/mL. 
Spectrum Results	It has been determined that scorpion venom contains proteins in pure form and these proteins have maximum absorbance at 280 nm. 
pH Analyses	The pH value of scorpion venom was determined as 5.03.
HPLC Analyses	It has been determined that scorpion venom contains 45 different proteins and peptides. Datafile Name:azerbaycan akrebi 261224.lcd Sample Name:26112024_2 Sample ID:26112024_2 

After Electrogram analysis of scorpion venom, it was determined that it had proteins in the range of 20-10 kDa, although there was a dense protein of 25 kDa.

Protein Electrophoresis



ANALYSIS OF SCORPION VENOM PEPTIDES	
α -KTx 3.6	- Voltage-gated potassium channels blocker, FTNVSCCTTSKECWSVCQRLHNTSRGKCMNKKCRCYS rKv1.1, rKv1.2, and hKv1.3 

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