



VENOM ANALYSIS REPORT

Analysis No:1000359256

COMPANY TITLE: Nacar İlaç Kimya Biyolojik Üretim Sanayi Ticaret Limited Şirketi

COMPANY ADDRESS: Edikli Kasabası Cumhuriyet Mahallesi Sütçüler Sokak No: 19 Merkez – NIĞDE

TAX NO: 6271623730

SCORPIO NAME: *Androctonus turkiyensis*

Classified by: Prof. Dr Ersen Aydın YAĞMUR

Origin: Şanlıurfa

DELIVERY DATE OF SAMPLE: 29.09.2025

SAMPLE INFORMATION: Scorpion Venom in liquid form, 117mg intransparent color.

SAMPLE PURITY: %100

ANALYSIS DATE: 02.10.2025

ANALYZES MADE: UV-visible Spectrophotometric Analysis, pH Analyses, Protein Concentration (Density), SDS-PAGE and HPLC, Peptide Analyses

CLASSIFICATION:

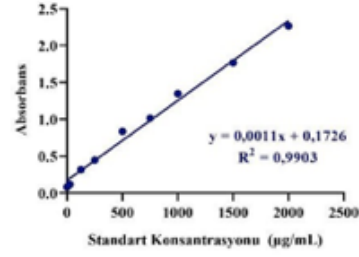
Domain: Eukaryota,
Kingdom : Animalia,
Phylum : Arthropoda,
Subphylum : Chelicerata,
Class: Arachnida
Order: Scorpiones,
Family: Buthidae
Genus: <i>Androctonus</i>
Species: <i>A. turkiyensis</i>



ANALYSIS RESULTS

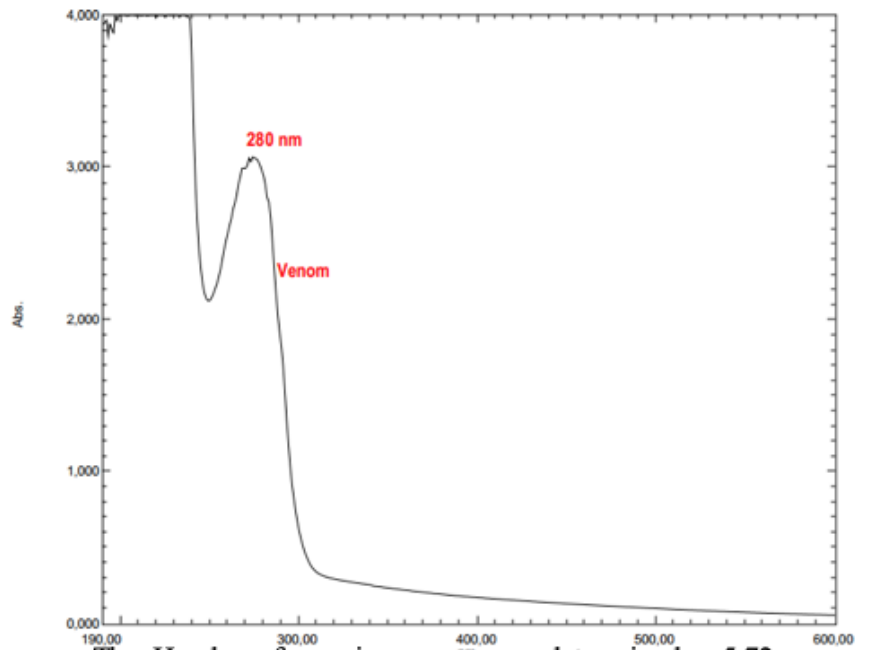
Protein Concentration

The protein amount of the scorpion venom sample was calculated as 28mg/mL.



Spectrum Results

It has been determined that scorpion venom contains proteins in pure form and these proteins have maximum absorbance at 280 nm.

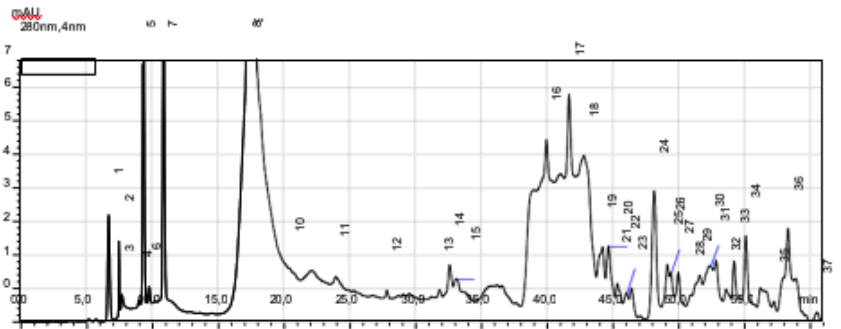


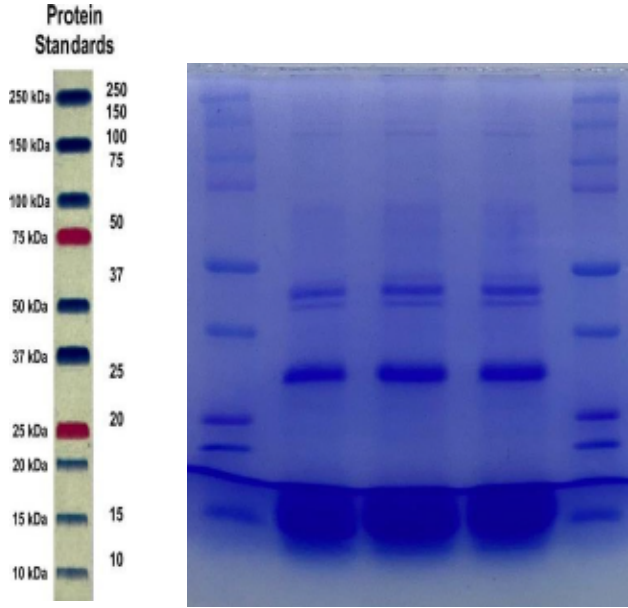
pH Analyses

The pH value of scorpion venom was determined as 5.72.

It has been determined that scorpion venom contains 37 different proteins and peptides.

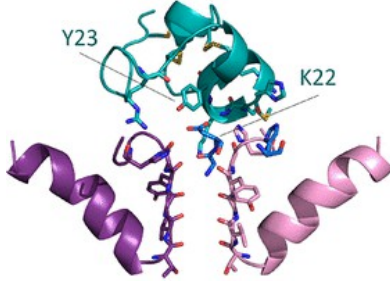
HPLC Analyses



<p>Protein Electrophoresis</p>	<p>After Electrogram analysis of scorpion venom, it was determined that it had proteins in the range of 25-10 kDa, although there was a dense protein of 37 kDa.</p> 
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ANALYSIS OF SCORPION VENOM PEPTIDES

<p>α-KTx3.6</p>	<p>Voltage-gated potassium channels blocker, <chem>FTNVSCTTSKECWSVCQRLHNTSRGKCMNKKCRCYS</chem> rKv1.1,rKv1.2,andhKv1.3</p> 
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* Tampering with the results of this analysis, changing the scientific data and/or the affiliation information of the analysis; Any minor or major change made to a report except of GBP | G Biological Products is a crime.

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