



Trading & Distribution of Medical Supplies

PRODUCT SPECIFICATION

Scorpion Venom

Crude whole venom from Leiurus quinquestriatus, Aswan, Egypt

PRODUCT **HLX-VEN-LQ · Leiurus quinquestriatus · Aswan, Egypt**

DOCUMENT CONTROL

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Issued under the Helexier quality management system. The controlled master copy is held by the Laboratory and Quality Management Department. Printed copies are uncontrolled. Acceptance criteria apply to every batch released under the product codes listed in section 6; results for a delivered batch are reported on the accompanying certificate of analysis.

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1 Purpose and scope

This specification defines the identity and quality attributes of crude whole scorpion venom supplied by Helexier for laboratory and manufacturing use. It applies to every batch released under the product codes stated in section 6.

NOTE

This is not a medicinal product and is not for administration to humans or animals. The material is supplied against the acceptance criteria in section 3; the buyer is responsible for qualifying it for its own use.

2 Product description

SOURCE SPECIES	GEOGRAPHIC ORIGIN	PRESENTATION
L. quinquestriatus Whole venom, unfractionated	Aswan, Egypt North-African population	Powder Sealed vial

The deathstalker, *Leiurus quinquestriatus*, is the source of chlorotoxin, charybdotoxin, the agitoxins and the scyllatoxin family. The material supplied is crude whole venom: the complete secretion, unfractionated and without additives, carriers or preservatives.

The north-African population is distinguishable from the Levantine form and is catalogued separately by Sigma-Aldrich, which lists it as a distinct line on a stated electrophoretic difference. Origin is given as a locality, not a region.

2.1 Composition

Active substance	Crude whole scorpion venom (Leiurus quinquestriatus)
Excipients	None
CAS No.	Not available
EC No.	Not available
REACH	A registration number is not available for this substance; the substance or its uses are exempted from registration

3 Specification

ATTRIBUTE	ACCEPTANCE CRITERION	METHOD
Appearance	White to yellow powder	Visual
Solubility	Soluble	Visual
Identity	Electrophoretic pattern consistent with the reference venom	SDS-PAGE, reducing, 10 % gel
Protein concentration	Up to 2 mg/mL	Stoscheck 1990 / Layne 1957

ATTRIBUTE	ACCEPTANCE CRITERION	METHOD
Venom potency (LD50)	7 ± 1.4 µg/mouse	Zlotkin et al. 1976; Hossan 1984
pH	Reported on the batch certificate	pH meter

Identity is established by SDS-PAGE under reducing conditions on a 10 % gel, run against a 6–97 kDa low-molecular-weight standard and against a reference scorpion venom. Bands span approximately 6–80 kDa, with the densest material at the low-molecular-weight end.

NOTE

Venom potency is determined against a stated numeric specification by a named method, and the result for the delivered batch is reported on the certificate of analysis accompanying that batch.

4 Storage and handling

Storage temperature	0 to 4 °C, protected from light
Transport	Shipped so as to maintain the storage condition
Handling	Avoid dust formation; use local exhaust ventilation where dust may form

CAUTION

Handle using gloves conforming to Regulation (EU) 2016/425 and EN 374, eye protection to EN 166 (EU) or NIOSH (US), and a laboratory coat. Avoid breathing dust. Prolonged or repeated exposure may cause allergic reactions in sensitised individuals; personnel with a known sensitisation to arthropod proteins should not handle this material. Do not allow the product to enter drains.

5 Regulatory status

The substance is not classified as hazardous under Regulation (EC) No 1272/2008. Storage class under TRGS 510 is combustible solids.

Leiurus quinquestriatus is not listed under CITES. Export from Egypt and import into the destination territory remain subject to the applicable customs and biological-material controls, and the customer is responsible for holding the permits applicable at destination. Each delivery is accompanied by the certificate of analysis for that batch; any further documentation should be agreed before order.

6 Ordering and supply

All codes below are crude whole venom, powder, to the specification in section 3. Minimum order is 0.5 g.

PRODUCT CODE	FILL SIZE	SUPPLY
HLX-VEN-LQ-500	500 mg	Standard

PRODUCT CODE	FILL SIZE	SUPPLY
HLX-VEN-LQ-BLK	≥ 1 g	On request

Each delivery is accompanied by a certificate of analysis reporting the results for that batch against the criteria in section 3. Enquiries for quantities above 1 g, repeat supply and contract volumes: sales@helexier-med.com.

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