

# Your trusted source for crude heparin

## The principal producer of crude porcine heparin from high-quality European mucosa

- Crude porcine heparin to produce Heparin API and low-molecular-weight heparin
- Produced from high-quality traceable intestinal mucosa obtained via a controlled supply chain
- Exceeding industry standards with state-of-the-art process equipment and stringent quality controls exclusively

Our crude heparin is solely produced from porcine intestinal mucosa from pigs used for the food industry. Such pigs - which have been declared fit for human consumption by ante- and post-mortem approval by veterinarian authorities - are obtained from European pig slaughterhouses.

The origin of our crude porcine heparin is fully traceable to the farm level. The harvesting and handling process of pig intestines is one requiring skilled staff and specialized equipment.

That's why, besides working in compliance with industry standards, we have stringent quality and product safety requirements that we apply throughout our supply chain. It makes us the trusted source of crude heparin for the pharma industry for the manufacturing of the highest quality heparin (UFH) and low-molecular-weight heparin (LMWH).

### Origin

The raw material is solely collected in approved European slaughterhouses from pigs approved for human consumption only under the supervision of veterinarian authorities.

### Packaging

LDPE liner in a HDPE drum  
Weight: 20 kg / drum

### Storage information

Packed goods: when stored in their original packaging under ambient and dry conditions a retest date of at least 48 months is guaranteed.

### State of the art production units

#### Burgum (NL)

Receipt and quality control of porcine intestinal tissue, hydrolysis and binding on resin.

#### Loenen (NL)

Desorption from resin, precipitation, drying, quality control and release.



### Specifications

Test	Specification	Method
Origin	Europe	N.a.
Species	Porcine	PCR
Appearance	Powder	Visual check
Color	Cream to brown	Visual check
Heparin potency (as is)	80-150 IU/mg	Coagulation
Moisture content	< 10% w/w	Loss on drying
Ruminant DNA	Not detected	PCR
OSCS	Not detected	SAX-HPLC and NMR

**About Hepac:** Hepac is a producer of crude porcine heparin. Excellent access to high-quality European mucosa, reliable production processes and stringent quality control make Hepac a trusted partner for international pharma customers. Hepac is part of Darling Ingredients International. Hepac is registered with the Dutch Competent Authorities under register number 7048 API.

# hepac

**For more information about crude porcine heparin please contact:**

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