

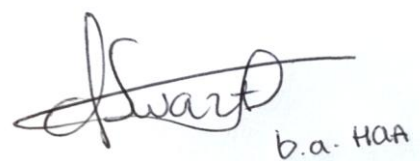
## CERTIFICATE OF ANALYSIS (For research use only)

GENERAL DATA			
Article Number	05.01.85		
Article description	German cockroach ( <i>Blattella germanica</i> ) extract, Freeze Dried		
Storage	-20 °C		
Production Date	October 26, 2022		
Charge Number	22K02		
RAW MATERIAL			
Origin	Europe		
Cultivation method	The cockroaches are bred separately at constant temperature and humidity; they are fed on a biological diet, the main components of the diet are vegetarian, without animal components		
Collection method	The cockroaches are killed by freezing		
PROCESSING OF THE MATERIAL			
Freeze drying	The whole bodies are freeze dried for 24-48 hours		
Pulverisation	The whole bodies are pulverised with mortar and pounder		
Extraction	The sieved material is extracted, followed by dialysis		
Freeze drying	The extract is freeze dried after dialysis		
ANALYSES			
IDENTITY			
Identity	Result	Specifications	Reference
Species	Ok	<i>Blattella germanica</i>	Visual determination (veterinarian)
Character material	Ok	Light brown powder	Visual determination
(BIO)CHEMICAL ANALYSES			
Analysis	Result	Specifications	Method
Protein content (mg/g)	199	> 10	Bradford assay
	388	> 10	BCA assay
Protein pattern	Ok (Pictures added on page 2)	Clear bands	SDS-PAGE gel; CBB & silver staining
Dot spotting	Ok (Pictures added on page 3)	Colorless	Blotting

November 7, 2022



Head of Production

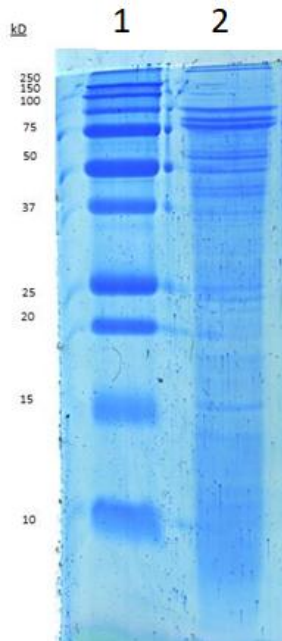


b.a. HAA

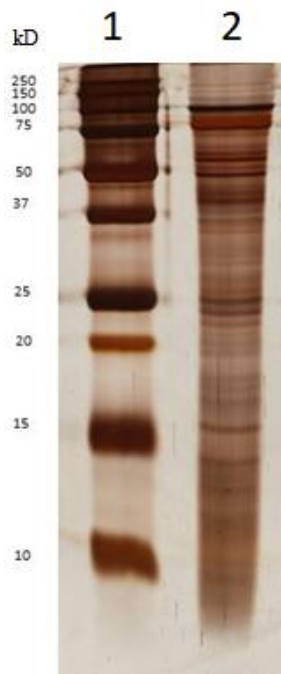
Head Quality Assurance

## SDS-PAGE analysis

### CBB Stain:



### Silver Stain:



1: Marker, 2: 22K02

**Dot spotting:**

