

CERTIFICATE OF ANALYSIS

GENERAL DATA			
Article Number	02.01.30		
Article description	<i>Dermatophagoides pteronyssinus</i> Mite Bodies		
Storage	-20 °C		
Production Date	December 5, 2018		
Expiration Date	December 5, 2020		
Charge Number	18M02		
RAW MATERIAL / PRODUCTION PROCES			
Cultivation location	Groningen, the Netherlands		
Cultivation method	The mites are cultivated separately at constant temperature and humidity		
Source of mites	Source described, identified, selected and purified by Citeq Biologics Source confirmed by external specialist		
Inoculation	The mites are grown in a continuous culture, i.e. a portion of a previous lot becomes the starting material for the next lot		
Medium	Main components not of human and animal origin (starch/yeast) Additives (< 0.1%) contain no human or animal components		
POST HARVEST PROCESSING OF MITES			
Harvesting of mite bodies	The mites have been sieved after cultivation After sieving, the mites are separated from the medium by physical separation methods		
Freeze drying	The mite bodies are subsequently killed and freeze dried		
ANALYSES			
		Result	Specifications
Species		Ok	<i>Dermatophagoides farinae</i> Literature
Character material		Ok	Brown woolly powder Visual determination
Purity		> 99%	Other mite species < 1% Foreign material < 1% Microscopic determination
Allergenic pattern (mg/g)	Der p 1	0.91	0.05 – 1.5
	Der p 2	0.81	0.10 – 2.0
	Der f 1	< 0.05	< 0.05
Protein content (mg/g)		98	50-200
		158	100-400
Protein pattern		Ok	Clear bands SDS-PAGE gel; CBB & silver staining
Bioburden (Cfu/g)	SDA	< 1000	SDA < 1 x 10 ¹¹
	TSA	4.2 x 10 ⁴	TSA < 1 x 10 ¹¹
Water content (%)		6.3	< 8 Loss on Dryness

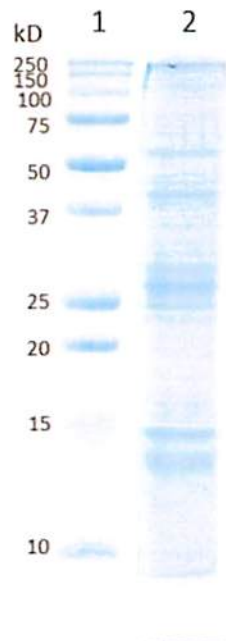
January 8, 2019

Head of Production

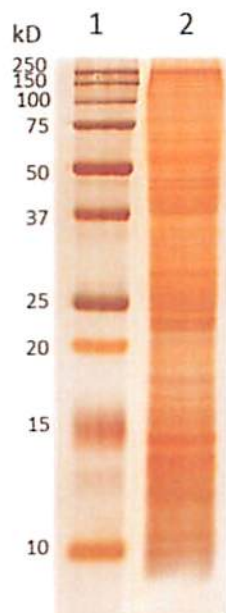
HQA

SDS-PAGE analysis

CBB Stain:



Silver Stain:



1: Marker, 2: 18M02