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**Test Report 6650536**  
Order No. 6816317  
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SGS Germany GmbH  
Heidenkampsweg 99  
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Hamburg, 11.12.2023

Your order/project: Analysis  
Your purchase order number: 800506324  
Your purchase order date: 28.11.2023



**General Information:**

Sample No.:	231180918
Sample:	212995/11/2023 ALLNUTRITION NATURE HONEY 400g Z/OLT/PZL-L/5535/12/2023/Gw
Date of receipt:	01.12.2023
Testing period (begin / end):	01.12.2023 / 08.12.2023
Quantity:	400g
Packaging:	Original packing

**Test Results:**

Parameter	Method	Lab	Unit	Result	Limit of quantification	Requirements
<b>Special analyses:</b>						
Sum of Echimidine and Heliosupine quantified as Echimidine	SOP M 1274, LC-MS/MS	HH	µg/kg	< 2,5	2,5	
Sum of Echimidine-N-oxide and Heliosupine-n-oxide quantified as Echimidine-N-oxide	SOP M 1274, LC-MS/MS	HH	µg/kg	< 5,0	5,0	
Europine	SOP M 1274, LC-MS/MS	HH	µg/kg	< 2,5	2,5	
Europine-NOx	SOP M 1274, LC-MS/MS	HH	µg/kg	< 2,5	2,5	
Heliotrine	SOP M 1274, LC-MS/MS	HH	µg/kg	< 2,5	2,5	
Heliotrine-NOx	SOP M 1274, LC-MS/MS	HH	µg/kg	< 2,5	2,5	
Intermedine	SOP M 1274, LC-MS/MS	HH	µg/kg	< 1,0	1,0	
Sum of Intermedine N-oxide, Echinatine N-oxide, Rinderine N-oxide and Indicine N-oxide quantified as Intermedine N-oxide	SOP M 1274, LC-MS/MS	HH	µg/kg	< 2,5	2,5	
Lasiocarpine	SOP M 1274, LC-MS/MS	HH	µg/kg	< 1,0	1,0	
Lasiocarpine-NOx	SOP M 1274, LC-MS/MS	HH	µg/kg	< 1,0	1,0	
Sum of Lycopsamine, Echinatine, Rinderine and Indicine quantified as Lycopsamine	SOP M 1274, LC-MS/MS	HH	µg/kg	< 1,0	1,0	
Lycopsamine-NOx	SOP M 1274, LC-MS/MS	HH	µg/kg	< 5,0	5,0	
Sum of Retrorsine and Usaramine quantified as Retrorsine	SOP M 1274, LC-MS/MS	HH	µg/kg	< 2,5	2,5	
Sum of Retrorsine N-oxide and Usaramine N-oxide quantified as Retrorsine N-oxide	SOP M 1274, LC-MS/MS	HH	µg/kg	< 5,0	5,0	
Senecionine	SOP M 1274,	HH	µg/kg	< 5,0	5,0	

	LC-MS/MS					
Sum of Senecionine N-oxide and Integerrimine N-oxide quantified as Senecionine N-oxide	SOP M 1274, LC-MS/MS	HH	µg/kg	< 2,5	2,5	
Sum of Seneciphylline and Spartioidine quantified as Seneciphylline	SOP M 1274, LC-MS/MS	HH	µg/kg	< 2,5	2,5	
Sum of Seneciphylline N-oxide and Spartioidine N-oxide quantified as Seneciphylline N-oxide	SOP M 1274, LC-MS/MS	HH	µg/kg	< 5,0	5,0	
Sum of Senecivernine and Integerrimine quantified as Senecivernine	SOP M 1274, LC-MS/MS	HH	µg/kg	< 5,0	5,0	
Senecivernine-NOx	SOP M 1274, LC-MS/MS	HH	µg/kg	< 5,0	5,0	
Senkirkine	SOP M 1274, LC-MS/MS	HH	µg/kg	< 2,5	2,5	
Sum 21 pyrrolizidine alkaloids and their isomers acc. to Reg. (EU) 2023/915, calc.		HH	µg/kg	< 5,0		
Erucifoline	SOP M 1274, LC-MS/MS	HH	µg/kg	< 5,0	5,0	
Erucifoline-NOx	SOP M 1274, LC-MS/MS	HH	µg/kg	< 2,5	2,5	
Jacobine	SOP M 1274, LC-MS/MS	HH	µg/kg	< 5,0	5,0	
Jacobine-NOx	SOP M 1274, LC-MS/MS	HH	µg/kg	< 2,5	2,5	
Monocrotaline	SOP M 1274, LC-MS/MS	HH	µg/kg	< 2,5	2,5	
Monocrotaline-NOx	SOP M 1274, LC-MS/MS	HH	µg/kg	< 2,5	2,5	
Trichodesmine	SOP M 1274, LC-MS/MS	HH	µg/kg	< 2,5	2,5	
Sum pyrrolizidine alkaloids, calc.		HH	µg/kg	< 5,0		

Investigations at the laboratory location Hamburg (HH) are carried out in the laboratory of the SGS Germany GmbH. Investigations at the laboratory locations Berlin (B2), Freiburg (FR) and Taunusstein (TS) are carried out in laboratories of the SGS INSTITUT FRESENIUS GmbH. Non-accredited test methods, if any, are marked as such.

*The laboratory sites of the SGS group Germany according to the abbreviations mentioned above including the corresponding accreditation process numbers are listed at <http://www.institut-fresenius.de/filestore/89/laborstandortkuerzelsgs.pdf>.*

SGS Germany GmbH

**Summary of used test methods:**

SOP M 1274, LC-MS/MS	2016-10 extended measurement uncertainty (relative) with $p = 95\%$ , $k = 2$ (sampling was not taken into account): 25 %, determined on camomile tea with 30-120 $\mu\text{g}/\text{kg}$ The sample-specific measurement uncertainty was not determined and can deviate.
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\*\*\* End of test report \*\*\*

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