

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <p>UKAS TESTING</p> <p>10114</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p>SHS International Ltd</p> <p>Issue No: 006 Issue date: 23 July 2021</p>	
	<p>100 Wavertree Boulevard Wavertree Liverpool L7 9PT</p>	<p>Contact: Fernanda Saunders Tel: +44 (0) 789 662 0998 E-Mail: fernanda.saunders@nutricia.com Website: https://www.nutricia.com/</p>
<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>FOOD & FOOD PRODUCTS</p> <p>Food supplements, Liquid Food supplements, ingredients</p>	<p>Chemical testing</p> <p>Fatty Acid Profile:</p> <ul style="list-style-type: none"> - Saturated fatty acids - Monounsaturated fatty acids - Polyunsaturated acids - Caproic acid (C6:0) - Caprylic acid (C8:0) - Decanoic acid (C10:0) - Lauric acid (C12:0) - Myristic acid (C14:0) - Palmitic acid (C16:0) - Palmitoleic acid (C16:1) - Margaric acid (C17:0) - Margaroleic acid (C17:1) - Stearic acid (C18:0) - Oleic acid (C18:1) - Linoleic acid (C18:2) - alpha-linolenic acid (C18:3) - Arachidic acid (C20:0) - Gadoleic acid (C20:1) - Eicosadienoic acid (C20:2) - Mead acid (C20:3) - Arachidonic acid (C20:4) - Timnodonic acid (C20:5) - Behenic acid (C22:0) - Erucic acid (C22:1) - Docosahexaenoic acid (C22:6) - Lignoceric acid - Nervonic acid (C24:1) - Cerotic acid (C26:0) - Montanic acid (C28:0) 	<p>Documented in-house procedures:</p> <p>QC 0176 based on ADAC 969.33</p>



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FOOD & FOOD PRODUCTS (cont'd)	Chemical testing	Documented in-house procedures:
	Total Fat	QC 106 based on Rose Gottlieb procedure
Food supplements, Liquid Food supplements, ingredients (cont'd)	Total Nitrogen/Protein	QC 0001 based on Dumas procedure
	Amino Acids:	QC 0601
	- Alanine	
	- Arginine	
	- Asparagine	
	- Aspartic Acid	
	- Citrulline	
	- Cystine	
	- Glutamic acid	
	- Glutamine	
	- Glycine	
	- Histidine	
	- Isoleucine	
	- Leucine	
	- Lysine	
	- Methionine	
	- Phenylalanine	
	- Proline	
	- Serine	
	- Taurine	
	- Threonine	
	- Tryptophan	
	- Tyrosine	
	- Valine	
	Phenylalanine	QC 602
Powdered products, raw materials and liquid food supplements	Beta lactoglobulin	QC 0676 by ELISA kit
Powdered products and raw materials	Mositure	QC 0014 based on AOAC 14 th Ed. 1984 7.003, 24.003
	Total Ash	QC 0136 based on AOAC 14 th Ed. 1984 16.035; 16.267: 025
	Vitamin B1 (Thiamine)	QC 0224 based on AOAC 16 th



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FOOD & FOOD PRODUCTS (cont'd)	Chemical testing	Documented in-house procedures:
Powdered products and raw materials	Vitamin A and E	QC 0659 based on AOAC 992.03
	Chloride	QC 0004 using coulometric titration
	Vitamin B2 and B6	QC 0219 based on J.Assoc.Off.Anal.Chem Vol 69 No 1, 1986
Powdered products, raw materials and liquids	Minerals: Calcium Copper Iron Magnesium Phosphorous Potassium Zinc	QC 0258 based on AOAC 984.27 using Inductively Coupled Plasma – Optical Emission Spectroscopy (ICP-OES)
	Net Carbohydrates	QC 0656 based on J. AOAC Vol 88 No.3 2005 using Ion Chromatography with Pulsed Amperometric Detection (IC-PAD)
Liquid Samples	Relative Density	QC 0092 based on British Pharmacopoeia Vol II 1988 V.G. A100
END		