

## Certificate of Analysis

### ALFA – Sport Research LTD

P.O. Box 13107

Tel Aviv Isreal 6971912 Israel

<b>Sample Name:</b>	<b>ALFA Creatine - Pure Creatine Monohydrate</b>	<b>Eurofins Sample:</b>	<b>13952694</b>
<b>Project ID</b>	ALFA_SPORT-20240329-0001	<b>Receipt Date</b>	29-Mar-2024
<b>PO Number</b>	CVD	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	0050-0290-1200	<b>Login Date</b>	29-Mar-2024
		<b>Date Started</b>	29-Mar-2024
		<b>Sampled</b>	Sample results apply as received

Analysis	Result
<b>Creatine *</b>	
Creatine Monohydrate	101 %
Creatinine	<0.50 %
<b>Aerobic Plate Count *</b>	
Aerobic Plate Count	<10 CFU/g
<b>E. coli *</b>	
Escherichia Coli	Absent /10 g
<b>Genus Listeria (BAX) PCR Detection *</b>	
Listeria	Negative /25 g
<b>Pseudomonas aeruginosa USP *</b>	
Pseudomonas Aeruginosa	Absent /1 g
<b>Salmonella USP *</b>	
Salmonella	Absent /10 g
<b>Staphylococcus *</b>	
Staphylococcus Aureus	Absent /10 g
<b>Test for Absence of Shigella spp. *</b>	
Shigella spp.	Negative /25 g
<b>Yeast and Mold Count *</b>	
Combined Yeast and Mold Count	<10 CFU/g
<b>Preparatory Testing of Nutritional and Dietary Supplements *</b>	
Total Combined Yeast-Molds Count	PASS
Aerobic Plate Suitability Result	PASS
E. coli Suitability Result	PASS
Salmonella Suitability Result	PASS
Staphylococcus Suitability Result	PASS
<b>Suitability of Test Method *</b>	
Pseudomonas Suitability Result	PASS
<b>Elements by ICP Mass Spectrometry</b>	
Arsenic	<10.0 ppb

\* This analysis or component is not ISO accredited.

Printed: 30-Apr-2024 10:11 am

Page 1 of 5

## Certificate of Analysis

### ALFA – Sport Research LTD

P.O. Box 13107

Tel Aviv Isreal 6971912 Israel

<b>Sample Name:</b>	<b>ALFA Creatine - Pure Creatine Monohydrate</b>	<b>Eurofins Sample:</b>	<b>13952694</b>
<b>Project ID</b>	ALFA_SPORT-20240329-0001	<b>Receipt Date</b>	29-Mar-2024
<b>PO Number</b>	CVD	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	0050-0290-1200	<b>Login Date</b>	29-Mar-2024
		<b>Date Started</b>	29-Mar-2024
		<b>Sampled</b>	Sample results apply as received

Analysis	Result
<b>Elements by ICP Mass Spectrometry</b>	
Cadmium	<5.00 ppb
Mercury	<5.00 ppb
<b>Coliform Count *</b>	
Coliform Plate Count	<10 CFU/g

Method References	Testing Location
-------------------	------------------

#### Aerobic Plate Count (USPC2021)

**Eurofins Micro Lab - Madison**

6304 Ronald Reagan Ave Madison, WI 53704 USA

USP Current revision, Chapter 2021.

To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.

\*\*Based on the results of the preparatory test, the detection limit stipulated is adequate for the enumeration of the specified microorganisms.

#### Coliform Count (COLIPC)

**EML New Berlin**

2345 S 170th St New Berlin, WI 53151 USA

Compendium of Methods for the Microbiological Examination of Foods: Enterobacteriaceae, Coliforms, and Escherichia coli as Quality and Safety Indicators, Chapter 8, 4th Edition, 2001.

#### Creatine (CREA\_S)

**Food Integrity Innovation-Madison**

6304 Ronald Reagan Ave Madison, WI 53704 USA

Creatine and Creatinine by high performance liquid chromatography (HPLC) with UV detection. Analytical Biochemistry 214, pp. 278-283 (1993)

\* This analysis or component is not ISO accredited.

Printed: 30-Apr-2024 10:11 am

Page 2 of 5

## Certificate of Analysis

### ALFA – Sport Research LTD

P.O. Box 13107

Tel Aviv Isreal 6971912 Israel

Method References	Testing Location
<p><b>E. coli (USPE2022)</b></p> <p>USP Current revision, Chapter 2022. To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix. **Based on the results of the preparatory test, conditions stipulated are adequate for detecting the presence of the specified microorganism.</p>	<p><b>Eurofins Micro Lab - Madison</b> 6304 Ronald Reagan Ave Madison, WI 53704 USA</p>
<p><b>Elements by ICP Mass Spectrometry (ICP_MS_S)</b></p> <p>Official Methods of Analysis, Methods 2011.19 and 993.14, and 2015.01, AOAC INTERNATIONAL, (Modified).</p>	<p><b>Food Integrity Innovation-Madison</b> 6304 Ronald Reagan Ave Madison, WI 53704 USA</p>
<p><b>Genus Listeria (BAX) PCR Detection (LISTBAX)</b></p> <p>United States Department of Agriculture, MLG 8A.04, "FSIS Procedure for the Use of <i>Listeria monocytogenes</i> Polymerase Chain Reaction (PCR) Screening Test," USDA-FSIS: Washington DC (03Aug2009);; DuPont Qualicon Bax System User Guide, Part Number 2CQ-049. 13-0717-V3.3, 2005-2013.</p>	<p><b>EML New Berlin</b> 2345 S 170th St New Berlin, WI 53151 USA</p>
<p><b>Preparatory Testing of Nutritional and Dietary Supplements (USPA_PT)</b></p>	<p><b>Eurofins Micro Lab - Madison</b> 6304 Ronald Reagan Ave Madison, WI 53704 USA</p>
<p><b>Preparatory Testing of Nutritional and Dietary Supplements (USPC_PT)</b></p>	<p><b>Eurofins Micro Lab - Madison</b> 6304 Ronald Reagan Ave Madison, WI 53704 USA</p>
<p><b>Preparatory Testing of Nutritional and Dietary Supplements (USPE_PT)</b></p>	<p><b>Eurofins Micro Lab - Madison</b> 6304 Ronald Reagan Ave Madison, WI 53704 USA</p>
<p><b>Preparatory Testing of Nutritional and Dietary Supplements (USPM_PT)</b></p>	<p><b>Eurofins Micro Lab - Madison</b> 6304 Ronald Reagan Ave Madison, WI 53704 USA</p>
<p><b>Preparatory Testing of Nutritional and Dietary Supplements (USPS_PT)</b></p>	<p><b>Eurofins Micro Lab - Madison</b> 6304 Ronald Reagan Ave Madison, WI 53704 USA</p>
<p><b>Pseudomonas aeruginosa USP (USPU_62)</b></p> <p>USP Current Revision, Chapter 62. To satisfy the requirements of the USP, the Suitability of Test Method must be completed on each matrix. **Based on the suitability of the test method results, conditions stipulated are adequate for detecting the presence of the specified microorganism.</p>	<p><b>Eurofins Micro Lab - Madison</b> 6304 Ronald Reagan Ave Madison, WI 53704 USA</p>

\* This analysis or component is not ISO accredited.

Printed: 30-Apr-2024 10:11 am

Page 3 of 5

## Certificate of Analysis

### ALFA – Sport Research LTD

P.O. Box 13107

Tel Aviv Isreal 6971912 Israel

Method References	Testing Location
-------------------	------------------

**Salmonella USP (USPS2022)**

**Eurofins Micro Lab - Madison**  
6304 Ronald Reagan Ave Madison, WI 53704 USA

USP Current revision, Chapter 2022.

To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.

\*\*Based on the results of the preparatory test, conditions stipulated are adequate for detecting the presence of the specified microorganism.

**Staphylococcus (USPA2022)**

**Eurofins Micro Lab - Madison**  
6304 Ronald Reagan Ave Madison, WI 53704 USA

USP Current revision, Chapter 2022.

To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.

\*\*Based on the results of the preparatory test, conditions stipulated are adequate for detecting the presence of the specified microorganism.

**Suitability of Test Method (USPU\_SOT)**

**Eurofins Micro Lab - Madison**  
6304 Ronald Reagan Ave Madison, WI 53704 USA

**Test for Absence of Shigella spp. (SHIGBAM)**

**Eurofins Microbiology Laboratories**  
2430 New Holland Pike Suite - D-215 Lancaster, PA 17601 USA

Bacteriological Analytical Manual, 8th Edition, Revision A, Chapter 6. Revised: 2000-May and 2000-October.

**Yeast and Mold Count (USPM2021)**

**Eurofins Micro Lab - Madison**  
6304 Ronald Reagan Ave Madison, WI 53704 USA

USP Current revision, Chapter 2021.

To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.


\*\*Based on the results of the preparatory test, the detection limit stipulated is adequate for the enumeration of the specified microorganisms.

## Certificate of Analysis

### ALFA – Sport Research LTD

P.O. Box 13107

Tel Aviv Isreal 6971912 Israel

Testing Location(s)	Released on Behalf of Eurofins by
<b>Food Integrity Innovation-Madison</b>  Eurofins Food Chemistry Testing Madison, Inc. 6304 Ronald Reagan Ave Madison WI 53704 800-675-8375	<b>Edward Ladwig - President Eurofins Food Chemistry Testing Madison</b>   2918.01



These results apply only to the items tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of Eurofins. Measurement uncertainty for individual analyses can be obtained upon request.