

**Project Description:** Product Testing (PO #1)  
**Report Issued To:** Centenarius Nutrition

## Certificate of Analysis

**AEMTEK #: 2101444**

**Sampling Date:** 2021-01-05  
**Sample Received:** 2021-01-11  
**Analysis Started:** 2021-01-11  
**Analysis Performed By:** ES, AO, BH  
**Report Issue Date:** 2021-01-18

**General:** The test results presented in this report pertain only to the samples supplied by the client (named after "Report Issued To" in header). AEMTEK assumes that the client has followed all applicable procedures for sample collection, shipping and any other procedures specified by standard methods, regulatory agencies or AEMTEK. Deviation from or failure to follow such procedures may lead to error in analysis and testing, and the client agrees that AEMTEK shall not be responsible or liable in any manner for any analytical error resulting from non-compliance with the sample collection procedures. Test results and findings shall only apply to the specific sample tested in the service (the "Analysis"). Client company may use and distribute copies of the report of the test results (The "Certificate of Analysis") only in its entirety. Any other reproductions, distributions, or disclosures, in any form, of any portion of the Report or the Test Results contained therein shall require prior written consent of AEMTEK. Subject to the restrictions set forth in this document, the client shall own all rights to the report and test results. Except as otherwise stated, AEMTEK standard Terms and Conditions for testing services apply.

**Sample Information:** All information regarding sample identification and description are from the client's Sample Submission Form (Chain of Custody). The report and test results assume the accuracy and completeness of such information and samples. Any results provided by AEMTEK in a form other than that specified on this submission form shall be deemed preliminary and non-binding. Unless specifically noted, the samples were received in acceptable condition. Samples accepted by AEMTEK shall remain the property of the client while in the custody of AEMTEK.

**Significant Figures:** Because of the nature of the biological samples and analytical methods, the number of significant figures should generally be one or two, although the actual calculated results are reported.

**Sample Retention and Retest Policy:** When possible, AEMTEK shall retain prepared or untested portion of samples for one week following the date of issuing this report. After the retention period, the samples shall be properly discarded, unless otherwise requested by the client. Client should notify AEMTEK within 48 hours after report issue date if retesting is desired. Due to sample types and nature of analysis, retesting may not be available in some cases. AEMTEK does not routinely preserve microorganisms isolated from test samples beyond the one week sample retention period. In the event of positive pathogen findings, the client shall instruct AEMTEK laboratory within 48 hours in regards to confirmation and preservations of pathogen cultures.

**Confidentiality:** AEMTEK shall exercise due care to keep the report and test results confidential, unless otherwise specified on the submission form, requested by the client, or by law. AEMTEK does not voluntarily report any test results to regulatory agencies. However, client is advised to comply with product safety regulations.



**Report Authorized By:**



Florence Wu, Ph.D., President

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Analyte	Arsenic	Cadmium	Lead	Mercury	Gluten Allergen
Method	AOAC OMA 2015.01	AOAC OMA 2015.01	AOAC OMA 2015.01	AOAC OMA 2015.01	ELISA (AOAC RI 061201)
Reporting Unit	ppm (mg/kg)	ppm (mg/kg)	ppm (mg/kg)	ppm (mg/kg)	ppm (mg/kg)
Method Detection Limit for Reporting	0.01	0.01	0.01	0.01	5.0 ppm Gluten
Sample ID	Sample Description	RESULTS			
1	Whey Isolate	<0.01	<0.01	<0.01	0.04

**Analyst Comments:**

FDA defines "gluten-free" as foods containing less than 20 ppm gluten. See Federal Register Final Rule - 78 FR 47154 August 5, 2013: Food Labeling; Gluten-Free Labeling of Foods.

**Terminology:**

CFU = Colony Forming Units                      g = gram  
 < Indicates less than the reporting limit as noted  
 ND = Not Detected, negative, absent. Sensitivity is about 1 organism per test portion.  
 BAM = FDA Bacteriological Analytical Manual  
 AOAC OMA = Official Methods of Analysis of the AOAC International, 18th ed.

MPN = Most Probable Number  
 P/A = Presence/Absence                      N/A = Not Applicable or not analyzed  
 CP Staph = Coagulase Positive Staphylococci (Staphylococcus aureus)  
 CMMEF = Compendium of Methods for the Microbiological Examination of Foods, 4th ed.  
 AOAC RI = AOAC Research Institute Performance Tested.