Certificate of Analysis

LIQUILABS
Analytical services

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Verify Results Online

Sample Identification

Sample Name	COLLAGEN FORMULA 300 gr
Batch Number	GFCOL012601
Date Published	2026-06-03 11:52

Results for RAW-0008

Elemental Impurities	Result	Unit	Uncertainty	Acceptable Range
Arsenic Elemental Impurities screening USP ⟨232⟩ / Ph. Eur. 5.20 / 2.4.20	< 0.001	*mg/kg*		
Cadmium Elemental Impurities screening USP ⟨232⟩ / Ph. Eur. 5.20 / 2.4.20	< 0.001	*mg/kg*		
Quicksilver Elemental Impurities screening USP ⟨232⟩ / Ph. Eur. 5.20 / 2.4.20	< 0.001	*mg/kg*		
Lead Elemental Impurities screening USP ⟨232⟩ / Ph. Eur. 5.20 / 2.4.20	< 0.001	*mg/kg*		

Supplements	Result	Unit	Uncertainty	Acceptable Range
Total Protein Content (Modified Biuret Method) Polar Compound Screening 10mM ammonium formate buffer	93.21	*%*	[± 1.86]	

1. Determination of total protein content of dietary supplement smaples by biuret method

1.1. 1.1. Instrumentation

- Pipette set 1-1000 µL
- UV VIS spectrometer (Shimadzu UV-1601)
- Total Protein Reagent (Sigma-Aldrich)
-

1.2. Standard stock solution preparation

500 mg of collagen hydrolysate certified reference material was weighed and quantitatively transferred to 50 mL volumetric flask and dissolved in water by ultrasonic bath. After complete dissolution, volumetric flask was filled up to mark by water and mixed well.

1.3. Standard solutions preparation

5 standard solutions with concentrations of 1,2,5,8,10 mg/ml were prepared by dilution of stock solution in water.

Final concentration [mg/mL]	Stock solution volume [mL]	Diluent volume[mL]
10	50	0
8	40	10
5	25	25
2	10	40
1	5	45

1.4. Sample preparation

500 mg of sample was weighed and exact mass of sample was recorded. Whole amount of sample was quantitatively transferred to 50 mL volumetric flask and dissolved in water by ultrasonic bath. After complete dissolution, volumetric flask was filled up to mark by water and mixed well.

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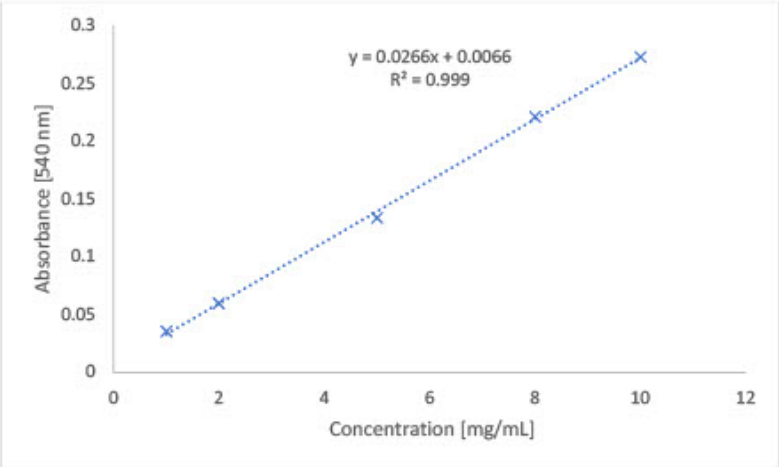
1.5. Measurement procedure

- Protein free falcon vials were prepared for reaction by transferring 1 mL of Total Protein Reagent.
- 20 uL of sample was pipetted into prepared falcon vial. As blank sample 20 uL of deionized water was used.
- Samples were incubated for 10 minutes at room temperature
- After incbation time, samples were transferred to spectrometric cuvettes and their absorbance was measured at 540nm

1.6. Calibration curve

Calibration curve detail	
Quantitative method	External Standard
Calibration Type	Linear
Number of calibration points	5
Force through Zero	Disabled
Weighting Method	None



1.7. Calculation

$$Protein\ content\ [\%] = \left(\frac{c_s * 100}{m_s}\right) * 100$$

Where:
C_s – measured concentration of sample [mg/mL]
m_s – recorded weight of sample

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Responsibles

Mr. Ján Galbavý
CEO

Analysis results relate only to the samples tested.

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