

**GymBeam Fitness Company GmbH**

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**Certificate of analysis 26047160 - 003**

Sample name : Whey + Collagen Protein - GymBeam 1000 g chocolate

Marking of sample : 1 x 1000 g 3GBCNJ 19.08.2028

Customer No. : none

Packaging : Commercial package/bag

Sample amount : 1 x 1000 g

Shipping of sample : Courier Service

Sample entry : 22.09.2026

Entrance temperature : Room temperature

Sample taken : by sender

Begin/end of analysis : 22.09.2026 / 02.10.2026

The test results apply only to the test items described in the report. No responsibility is accepted for the validity of the results if any data or information provided by the customer may affect them. Data provided by the customer are clearly identified. The laboratory assumes no responsibility for the sampling including minimum quantities unless it was carried out by samplers from a company within the GBA Group or on its behalf. In this case, the results apply to the sample as received. The test report may not be published or reproduced, in whole or in part, without the written consent of the issuing company. The general terms and conditions are available at <https://www.gba-group.com/en/general-terms-and-conditions/>.

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Dok.-Nr.: ML 510-01 # 25 V1 E, 510, 19.02.2026

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## Test Results

| Chemical/Physical Test                                      | Result | Unit    | ± MU  | MU[%] | MU Source |
|-------------------------------------------------------------|--------|---------|-------|-------|-----------|
| Amino acid spectrum, free and bound                         |        |         |       |       |           |
| Aspartic acid (sum asparagine + aspartic acid)              | 5,4    | g/100 g | 0,81  | 15    | IV        |
| Threonine                                                   | 2,9    | g/100 g | 0,44  | 15    | IV        |
| Serine                                                      | 2,8    | g/100 g | 0,42  | 15    | IV        |
| Glutamic acid (sum glutamine + glutamic acid)               | 9,8    | g/100 g | 1,5   | 15    | IV        |
| Proline                                                     | 7,1    | g/100 g | 1,1   | 15    | IV        |
| Glycine                                                     | 15,6   | g/100 g | 2,3   | 15    | IV        |
| Alanine                                                     | 5,3    | g/100 g | 0,8   | 15    | IV        |
| Valine                                                      | 2,8    | g/100 g | 0,42  | 15    | IV        |
| Methionine (cal. from methionine sulfone)                   | 1,1    | g/100 g | 0,17  | 15    | IV        |
| Isoleucine                                                  | 2,5    | g/100 g | 0,38  | 15    | IV        |
| Leucine                                                     | 4,7    | g/100 g | 0,71  | 15    | IV        |
| Tyrosine                                                    | 1,2    | g/100 g | 0,18  | 15    | IV        |
| Phenylalanine                                               | 1,8    | g/100 g | 0,27  | 15    | IV        |
| Ornithine                                                   | 0,10   | g/100 g | 0,015 | 15    | IV        |
| gamma-aminobutyric acid (GABA)                              | <0,020 | g/100 g |       | 15    | IV        |
| Lysine                                                      | 4,5    | g/100 g | 0,68  | 15    | IV        |
| Histidine                                                   | 0,83   | g/100 g | 0,12  | 15    | IV        |
| Arginine                                                    | 4,1    | g/100 g | 0,61  | 15    | IV        |
| Taurine                                                     | <0,020 | g/100 g |       | 15    | IV        |
| Hydroxyproline                                              | 4,5    | g/100 g | 0,9   | 20    | IV        |
| Cyst(e)ine (sum cysteine + cystin; calc. from cysteic acid) | 0,80   | g/100 g | 0,12  | 15    | IV        |
| Hydroxylysine                                               | 0,52   | g/100 g | 0,1   | 20    | IV        |
| Sum amino acids                                             | 78,5   | g/100 g | 24    | 30    | I         |

Hamburg, 02.10.2026

*This test report is done automatically and is valid without signature.*

i. A. R. Rugo

(Certified Food Chemist / Customer Service)

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## Methods

| <i>Parameter</i>                    | <i>Method</i>                                               | <i>DR</i> |
|-------------------------------------|-------------------------------------------------------------|-----------|
| Amino acid spectrum, free and bound | FV-0333 02-001, LC-MS/MS: 2022-04 <sup>a</sup> <sub>1</sub> | z         |

The methods marked with <sup>a</sup> are accredited methods of the performing laboratory.

Testing laboratory: 1extern

MU-Source:

IV: According to subcontractor

I: According to DIN ISO 11352 as expanded, combined measurement uncertainty with  $k = 2$  (95 %), sampling not included

Decision rules:

z: In conformity assessment, measurement uncertainty is disregarded and serves as informational data only.