

REGULATORY & QUALITY CERTIFICATE

L-CARNOSINE POWDER

Product Name: L-Carnosine Powder

INCI Name: L-Carnosine

CAS No.: 305-84-0

Chemical Name: β -Alanyl-L-Histidine

Molecular Formula: $C_9H_{14}N_4O_3$

Molecular Weight: 226.23 g/mol

Product Form: White to off-white crystalline powder

Recommended Application: Cosmetic and Personal Care Formulations

1. PRODUCT QUALITY

L-Carnosine Powder is a high-purity cosmetic raw material intended for use in professional skincare and personal-care formulations. The material is supplied as a white to off-white crystalline powder and is manufactured and handled under controlled quality requirements.

Quality Specifications

Property	Specification	Typical Analysis
Appearance	White to off-white crystalline powder	Pass
Odor	Odorless	Pass
Solubility	Soluble in water	Pass
Assay / Purity	$\geq 99.00\%$	99.70%
Specific Rotation	$+20.0^\circ$ to $+22.0^\circ$	+21.2°
pH (1% aqueous solution)	7.00–8.20	7.50
Loss on Drying	$\leq 1.00\%$	0.35%
Residue on Ignition	$\leq 0.10\%$	0.04%
Heavy Metals (as Pb)	≤ 10.00 ppm	<10.00 ppm

Quality Status: COMPLIES

2. COSMETIC REGULATORY STATUS

L-Carnosine Powder is supplied as a **cosmetic raw material** for incorporation into finished cosmetic and personal-care products.

It is suitable for consideration in formulations such as:

- Facial serums
- Anti-aging creams
- Facial moisturizers
- Toners and essences
- Eye-care products

- Face masks
- Skin-conditioning formulations
- Professional skincare products

The finished cosmetic product manufacturer is responsible for ensuring that the final formulation, labeling, claims, concentration and intended use comply with all applicable regulations in the country where the finished product is marketed.

3. RECOMMENDED COSMETIC USAGE

A typical formulation range is:

0.5–2.0%

Recommended starting levels may vary according to the intended application and complete formulation.

Application	Suggested Usage
Facial Toner	0.2–0.5%
Essence	0.5–1.0%
Facial Serum	0.5–2.0%
Anti-Aging Cream	0.5–1.0%
Eye Serum/Cream	0.5–1.0%
Face Mask	0.5–1.0%

These are **formulation guidelines rather than regulatory maximum limits**. Final usage should be determined through formulation testing and according to the raw-material supplier's technical documentation.

4. ALLERGEN STATEMENT

Based on the nature and composition of the supplied L-Carnosine Powder, the product is **not intentionally formulated with common fragrance allergens**.

The finished product manufacturer should assess the complete formulation for applicable allergen declaration requirements.

5. GMO STATEMENT

Based on the information available for this raw material:

GMO Status: Not applicable / No GMO ingredients intentionally added.

6. BSE / TSE STATEMENT

Based on the available raw-material information, the product is supplied as a purified chemical/biochemical cosmetic ingredient and is not intentionally formulated with BSE/TSE-risk animal materials.

BSE/TSE Status: Compliant based on available supplier information.

7. VEGAN STATEMENT

The suitability of L-Carnosine for a **vegan formulation should be confirmed against the specific manufacturing source and supplier declaration**.

Vegan Status: Subject to supplier/manufacturer confirmation.

8. CRUELTY-FREE STATEMENT

No animal testing is intentionally conducted by the supplier for the cosmetic use of this raw material, subject to the supplier's applicable policies and declarations.

The finished-product manufacturer remains responsible for its own cruelty-free compliance requirements.

9. HEAVY METALS

The material complies with the stated heavy-metal specification:

Heavy Metals (as Pb): <10.00 ppm

10. STORAGE & SHELF LIFE

Store in a **cool, dry and well-ventilated area** in a tightly closed container.

Protect from:

- Moisture
- Excessive heat
- Direct sunlight
- Contamination

Recommended shelf life: 36 months from the manufacturing date when stored under recommended conditions and in the original unopened packaging.

11. DOCUMENTATION PACKAGE

The following documentation may be maintained for regulatory and quality purposes:

1. **Certificate of Analysis (COA)**
2. **Safety Data Sheet (SDS/MSDS)**
3. **INCI Statement**
4. **CAS Number**
5. **Specification Sheet**
6. **GMO Statement**
7. **BSE/TSE Statement**
8. **Allergen Statement**
9. **Vegan Statement, where applicable**
10. **Country of Origin Statement**
11. **Batch/Lot Traceability Documentation**

12. REGULATORY & QUALITY DECLARATION

DISCLAIMER & LIMITATION OF LIABILITY: L-Carnosine Powder is supplied as a high-purity cosmetic raw material. Based on the information available to Botanic Planet Canada Inc., the product does not contain intentionally added artificial ingredients or known adulterants. The product is supplied in accordance with the specifications and quality information provided with the applicable batch documentation. The analytical data, specifications, statements and other information provided herein represent the most complete information available to Botanic Planet Canada Inc. at the time of issuance. Users are advised to review all relevant technical, safety and regulatory information specific to L-Carnosine Powder prior to use. The information contained in this document is obtained from sources believed to be current and reliable. However, the use and application of L-Carnosine Powder are beyond the control of Botanic Planet Canada Inc. Accordingly, no representation or warranty, express or implied, is made regarding the results, effects, safety or suitability arising from any particular use of the product, including any potential damage or injury. Botanic Planet Canada Inc. expressly disclaims responsibility for any improper, unintended or unauthorized use of L-Carnosine Powder. No information contained herein shall be construed as a recommendation, representation or guarantee that the product is suitable for any particular application or purpose. The user is solely responsible for determining the suitability, safety and regulatory compliance of L-Carnosine Powder for its intended use. To the fullest extent permitted by applicable law, the liability of Botanic Planet Canada Inc. shall be limited to the purchase value of the goods supplied and shall not include any indirect, incidental, special or consequential loss or damages. In the event of any dispute arising from or relating to the sale or use of L-Carnosine Powder, the customer agrees that the exclusive jurisdiction shall be the Province of Ontario, Canada, and that applicable laws of Ontario and Canada shall govern the dispute. This is an electronically generated document and does not require a signature.

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