



Certificate of Analysis

BPC-157 Acetate

Product Name : BPC-157 Acetate	Lot No. : DL8562
Mfg. Date : Jun 29, 2024	Exp. Date : Jun 28, 2027
M.F. : C ₆₄ H ₁₀₂ N ₁₆ O ₂₄	M.W. : 1479.61
CAS No. : 216441-37-1	Batch Qty : 1105 g
Sequence : Gly-Glu-Pro-Pro-Gly-Lys-Pro-Ala-Asp-Asp-Ala-Gly-Leu-Val-CH ₃ COOH	

TESTS	SPECIFICATIONS	RESULTS	
Appearance	White or off-white powder	White powder	
Solubility	Soluble in water	Complies	
Mass (MS)	1419.54 ± 1.0	1419.67	
Amino Acid Composition (AAA)	Val	0.8 – 1.2	1.1
	Leu	0.8 – 1.2	1.0
	Gly	2.4 – 3.6	3.3
	Ala	1.6 – 2.4	2.1
	Asp	1.6 – 2.4	2.1
	Pro	3.2 – 4.8	4.0
	Lys	0.8 – 1.2	1.0
	Glu	0.8 – 1.2	1.1
Water Content (KF)	≤ 8.00%	4.20%	
Acetic Acid Content (HPLC)	≤ 15.0%	5.40%	
Peptide Content (N%)	≥ 80.0%	89.5%	
Residual Solvents (GC)	Formaldehyde	Absent	Absent
	Acetonitrile	≤ 410 ppm	< 410 ppm
	Ethyl Ether	≤ 5000 ppm	Not Detected
	Dichloromethane	≤ 600 ppm	< 600 ppm
	Pyridine	≤ 200 ppm	Not Detected
	N,N-Dimethylformamide	≤ 880 ppm	< 880 ppm
	Triisopropylsilane	≤ 1000 ppm	Not Detected
Bacterial Endotoxins (USP2022)	≤ 10 EU/mg	< 10 EU/mg	
Microbial Limits (USP2022)	Total Aerobic Microbial Count	≤ 10 ² cfu/g	< 20 cfu/g
	Total Yeast and Mold Count	≤ 10 ² cfu/g	< 20 cfu/g
	<i>E. coli</i>	Absent	Absent
Peptide Purity (HPLC) (CP2020)	≥ 98.0%	99.0%	
Related Substance (HPLC)	Total Impurities	≤ 2.00%	1.00%
	Single Largest Impurity	≤ 1.00%	0.50%
Conclusion: The product is a synthetic peptide and meets the In-House specifications. Long Term Storage: Store in a sealed container at 2°C - 8°C in the fridge or in the freezer. Distributed by Darmerica.			

Note: Analytical results transcribed from the original COA provided by Xi'an XinFengYi Pharmaceutical Technology Co.; Ltd. (China); Lot No. 240629-BPC039.

Based on the review of above information, the lot stands released.

	Name	Title	Signature	Date
Prepared by	Kamlesh Mistry	Quality Manager		12/16/2024
Released by	Luz Guevara	Quality Assistant		12/23/2024



SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: BPC-157 Acetate

CAS#: 216441-37-1

Supplier:

Darmerica
4380 Oakes Rd, Unit 800
Davie, FL 33314 USA
Tel: (954)-530-6597

SECTION 2 – INGREDIENT INFORMATION

Name: BPC-157 Acetate

Purity: ≥ 95.0%

SECTION 3 – HAZARDS IDENTIFICATION

Classification of the substance or mixture: Not a hazardous substance or mixture.

Label elements: Not a hazardous substance or mixture.

Other hazards: This substance/mixture contains no components considered to be either persistent, bio-accumulative and toxic (PBT), or very persistent and very bio-accumulative (vPvB) at levels of 0.1% or higher.

SECTION 4 – FIRST AID MEASURES

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Never give anything by mouth to an unconscious person. Rise mouth with water. Get medical attention if symptoms appear.

SECTION 5 – FIRE AND EXPLOSION DATA

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special Protective Equipment for Firefighters: Wear self contained breathing apparatus for firefighting if necessary.

Special Hazards: Carbon oxides, Nitrogen oxides (NO_x)

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

Environmental Precautions: No special environmental precautions required.

Methods and Materials for Containment and Cleaning Up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7 – HANDLING AND STORAGE

Precautions:

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for Safe Storage, including any incompatibilities: Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Specific End Use(s): No other specific uses are stipulated.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Skin Protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Eye/Face Protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Control of Environmental Exposure: No special environmental precautions required.

Hygiene Measures: General industrial hygiene practice

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance	No information available
Odor	No information available
Odor Threshold	No information available
pH	No information available
Melting Point/Range	No information available
Boiling Point/Range	No information available
Flash Point	No information available
Evaporation Rate	No information available
Flammability (solid,gas)	No information available
Flammability or explosive limits	
Upper	No data available
Lower	No data available
Vapor Pressure	No information available
Vapor Density	No information available
Solubility	No information available
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	No data available.
Decomposition Temperature	No information available
Viscosity	No information available
Explosive properties:	No information available.
Oxidizing properties:	No information available.

SECTION 10 – STABILITY AND REACTIVITY

Reactivity: No data available.

Chemical Stability: The product is stable under recommended storage conditions.

Possibility of Hazardous Reactions: No data available.

Conditions of Avoid: No data available.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products:

Hazardous decomposition products formed under fire conditions - Carbon oxides, Nitrogen oxides (NO_x)
Other decomposition products - No data available.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity: No data available.

Skin Corrosion/Irritation: No data available.

Serious Eye Damage/Eye Irritation: No data available.

Respiratory or Skin Sensitisation: No data available.

Germ Cell Mutagenicity: No data available.

Carcinogenicity: No data available.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive Toxicity: No data available.

Specific Target Organ Toxicity – Single Exposure (Globally Harmonized System): No data available.

Specific Target Organ Toxicity – Repeated Exposure (Globally Harmonized System): No data available.

Aspiration Hazard: No data available.

Additional Information:

RTECS: HE0525000 To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

SECTION 12 – ECOLOGICAL INFORMATION

Toxicity: No data available.

Persistence and degradability: No data available.

Bio-accumulative Potential: No data available.

Mobility in Soil: No data available.

Results of PBT and vPvB assessment: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other Adverse Effects: No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 14 – TRANSPORT INFORMATION

UN Number:

ADR/RID: No data available.

IMDG: No data available.

IATA: No data available.

UN Proper Shipping Name:

ADR/RID: No data available.

IMDG: No data available.

IATA: No data available.

Transport hazard class(es):

ADR/RID: No data available.

IMDG: No data available.

IATA: No data available.

Packing group, if applicable:

ADR/RID: No data available.

IMDG: No data available.

IATA: No data available.

Environmental Hazards:

ADR/RID: No data available.

IMDG: No data available.

IATA: No data available.

Special precautions for user: No data available.

SECTION 15 – OTHER REGULATORY INFORMATION

The format refers to SDS requirements ANSI (American National Standards Institute) and International Standards Organization (ISO).

SECTION 16 – OTHER INFORMATION

Created: April 2017

Last Modified: January 2021

Important Notice:

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Darmerica shall not be liable for any damages resulting from handling or from contact with the above product.