

Certificate of Analysis

CJC-1295 Acetate (Tetra-Substituted GRF 1–29 Acetate)

Product Name : CJC-1295 Acetate	Lot No. : DL8405
Mfg. Date : Jun 28, 2024	Exp. Date : Jun 27, 2027
M.F. : C ₁₅₄ H ₂₅₆ N ₄₄ O ₄₄	M.W. : 3427.9
CAS No. : 446262-90-4 (Free Base)	Batch Qty : 1157 g
Sequence : H-Tyr-D-Ala-Asp-Ala-Ile-Phe-Thr-Gln-Ser-Tyr-Arg-Lys-Val-Leu-Ala-Gln-Leu-Ser-Ala-Arg- Lys-Leu-Leu-Gln-Asp-Ile-Leu-Ser-Arg-NH ₂ ·CH ₃ COOH	

TESTS	SPECIFICATIONS	RESULTS	
Appearance	White powder	White powder	
Solubility	Soluble in water	Conforms	
Amino Acid Composition (AAA)	Val	0.8 – 1.2	1.1
	Tyr	1.8 – 2.2	2.1
	Ala	3.6 – 4.4	4.0
	Arg	2.7 – 3.3	3.0
	Asp	1.8 – 2.2	2.0
	Ile	1.8 – 2.2	2.0
	Leu	4.5 – 5.5	5.0
	Phe	0.8 – 1.2	1.0
	Thr	0.8 – 1.2	1.1
	Glu	2.7 – 3.3	3.1
	Ser	2.7 – 3.3	3.0
Lys	1.8 – 2.2	2.0	
Mass (MS)	3367.85 ± 1	3366.98	
Acetic Acid Content (HPLC)	≤ 18.0%	7.7%	
Water Content (KF)	≤ 8.0%	6.0%	
Peptide Content (N%)	≥ 80.0%	85.4%	
Peptide Purity (HPLC) (CP)	≥ 98.0%	98.9%	
Related Substances (HPLC) (CP)	Largest Single Impurity	≤ 1.0%	0.3%
	Total Impurities	≤ 2.0%	1.2%
Residual Solvents (GC)	Formaldehyde	Negative	Conforms
	Acetonitrile	≤ 410 ppm	< 410 ppm
	Dichloromethane	≤ 600 ppm	< 600 ppm
	<i>N,N</i> -Dimethylformamide	≤ 880 ppm	< 880 ppm
	Ethyl Ether	≤ 5000 ppm	Not Detected
	Pyridine	≤ 200 ppm	Not Detected
	Triisopropylsilane	≤ 1000 ppm	Not Detected



TESTS	SPECIFICATIONS		RESULTS
Assay (On Anhydrous and Acetic Acid-Free Basis) (HPLC) (CP)	95.0 - 105.0%		99.9%
Bacterial Endotoxins (USP)	≤ 10 EU/mg		< 10 EU/mg
Microbial Tests (USP)	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>	Negative	Conforms
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 Shaanxi MingDeRun PharmaTech Co., Ltd. (China); Lot No. SM01-20240628017.

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

	Name	Title	Signature	Date
Prepared by	Pietro Pazzetty	Quality Assistant		10/11/2024
Released by	Kamlesh Mistry	Quality Manager		10/11/2024



SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: CJC1295 (Tetra-substituted GRF 1-29) Acetate

CAS#: 446262-90-4 (Free Base)

Supplier:

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

SECTION 2 – INGREDIENT INFORMATION

Name: CJC1295 (Tetra-substituted GRF 1-29) Acetate

Purity: ≥ 95.0%

SECTION 3 – HAZARDS IDENTIFICATION

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

GHS Label elements, including precautionary statements: Not a hazardous substance or mixture.

Hazards Not Otherwise Classified (HNOC) or not covered by GHS: None.

SECTION 4 – FIRST AID MEASURES

Swallowed: Give large quantities of water to drink and get medical attention immediately, never give anything by mouth to an unconscious person. Call a physician.

Skin Contact: Wash exposed area with soap and water. Call a physician if irritation develops.

Inhaled: Remove to fresh air. If breathing becomes difficult, call a physician.

Eye Contact: Flush with copious amounts of water at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Indication of any immediate medical attention and special treatment needed: No data available.

SECTION 5 – FIRE AND EXPLOSION DATA

Extinguishing Media: Use water spray, carbon dioxide, dry chemical powder or appropriate form.

Special Fire-fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Special Hazards: Emits toxic fumes under fire conditions.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Avoid dust formation. Avoid breathing vapors, mist or gas.

Environmental Precautions: Do not let product enter drains.

Methods and Materials for Containment and Cleaning Up: Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use. 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.

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: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Hygiene Measures: General industrial hygiene practice.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance Form	Solid
Odour	No data available.
Odour Threshold	No data available.
pH	No data available.
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability or explosive limits	No data available.
Vapour pressure	No data available.
Vapour density	No data available.
Relative density	No data available.
Water solubility	No data available.
Partition coefficient (n-octanol/water)	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data 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: No data available.

Hazardous 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.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

PBT and vPvB Assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

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: June 2023

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.