PRECISION MASS SPEC
CHEMICAL • PHARMACEUTICAL

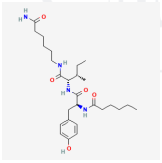
CERTIFICATE OF ANALYSIS

COA Number	**PMS-3107598180**
Client	**RENOVITA RESEARCH LLC**
Product	**Dihexa**
Received	**10/26/2026 12:34 PM CT**
Report Date	**10/28/2026**
Lot Number	**ERP2610DX10-RR-DIHW-1026**

PRODUCT IDENTIFICATION

HPLC-UV coupled with LC-MS, standard laboratory conditions

Compound Name	Dihexa	**CAS No.**	1401708-83-5
Molecular Formula	C27H44N4O	**Molecular Weight**	504.33 g/mol
Appearance	Lyophilized Powder	**Compound Concentration**	10mg
Sequence:	`Hexanoyl-Tyr-Ile-NH-(CH2)5-CONH2`		



MOLECULAR STRUCTURE



CLIENT SAMPLE PHOTO

SAMPLE IDENTIFICATION

Client-supplied, verified at intake

Container Size	3ml Glass Vial	**Cap Color**	White
Crimp / Seal Color	Silver		
Product Company	RENOVITA RESEARCH LLC		

ANALYTICAL RESULTS

Test	Specification	Result	Status
Purity (HPLC)	>= 90.0%	**99.40%**	**PASS**
Mass Identification (LC-MS)	Conforms to declared compound	**Dihexa**	**PASS**
Net Compound Content	90.0–110.0% of 10 mg	**10.18 mg**	**PASS**
Water Content (Karl Fischer)	<= 10.0%	**4.82%**	**PASS**
Acetate Content (HPLC)	< 12.0%	**3.98%**	**PASS**
Heavy Metals (ICP-MS)	< 10 ppm	**Not Detected**	**PASS**
Bacterial Endotoxins (LAL)	< 5 EU/mg	**Not Detected**	**PASS**
Mass Balance	95.0 – 105.0%	**Conforms**	**PASS**
Sterility (RMM)	USP <71>	**Not Requested**	-
pH (1 mg/mL in purified water, 25°C)	Report result	**Not Requested**	-

ANALYST NOTES

Sample received labeled as Dihexa, 10 mg, white lyophilized powder.

Identity: LC-MS analysis of the principal peak (RT 11.61 min) produced a protonated molecular ion at m/z 505.3 as the base peak, with its isotope ions at m/z 506.3 and 507.3, a sodium adduct at m/z 527.3, a doubly charged ion at m/z 253.2 and a protonated dimer at m/z 1009.7, consistent with Dihexa (C27H44N4O5, CAS 1401708-83-5, theoretical monoisotopic mass 504.3 Da). Identity result: Conforms.

Purity: 99.40% by HPLC-UV, principal peak relative to total integrated peak area. No related-substance peaks above the reporting threshold.

Net content: Dihexa quantified at 10.18 mg per vial against the compound calibration curve, 101.8% of label claim. Net content result: Conforms (within 90.0 to 110.0% of label).

Conclusion: Sample conforms to label for identity, purity and net content.

INSTRUMENT DATA

Traces behind the results above

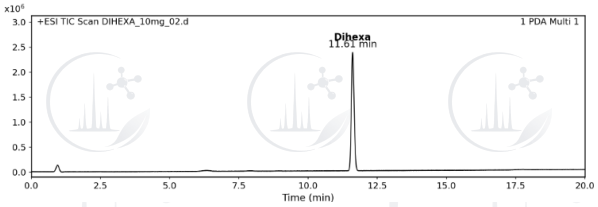


FIGURE 1 — TOTAL ION CHROMATOGRAM (LC-MS)

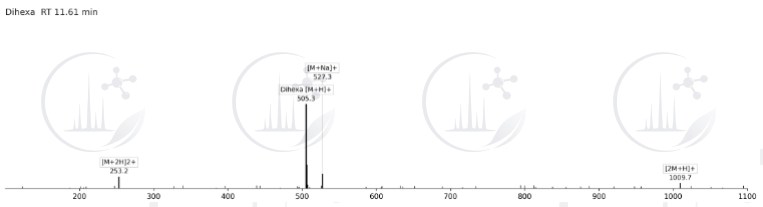


FIGURE 2 — MASS SPECTRUM, PRINCIPAL PEAK (LC-MS)

Lee Adams

Lee Adams
Lab Director
COA: PMS-3107598180

The analysis reported herein was conducted using HPLC-UV and LC-MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The compounds tested are intended for research use only and are not approved for human or veterinary use, diagnostic, therapeutic, or clinical applications. Results should be interpreted by qualified professionals within the scope of the intended research. The accuracy and reliability of the test may be influenced by sample integrity, handling, and other experimental variables. The sample image included in this Certificate of Analysis was provided by the client during intake. For research use only.

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