SYNOGEN LABS

Certificate of Analysis

● All Specifications Met

PRODUCT NAME	BPC-157	PRODUCT CODE	SYN-BPC-157
FORM	Lyophilized Powder, 5mg/vial	LOT / BATCH NO.	SYN-BPC-2026-0341
MANUFACTURE DATE	January 18, 2026	ANALYSIS DATE	January 22, 2026
EXPIRATION DATE	January 18, 2028	LABORATORY	Eurofins Scientific, Lancaster, PA
ANALYTICAL METHODS	USP <621> HPLC, ESI-MS, USP <61>, <62>, ICP-MS	STORAGE CONDITIONS	2-8 C, protect from light

Identity & Purity

Parameter	Specification	Result	Status
Peptide Identity (HPLC/MS)	Conforms to BPC-157 reference	Confirmed	PASS
Peptide Purity (HPLC)	>= 98.0%	99.2%	PASS
Molecular Weight (ESI-MS)	1419.53 +/- 0.5 Da	1419.51 Da	PASS
Peptide Content	>= 80.0%	84.6%	PASS
Amino Acid Sequence	Gly-Glu-Pro-Pro-Pro-Gly-Lys-Pro-Ala-Asp-Asp-Ala-Gly-Leu-Val	Confirmed	PASS
Acetate Content	<= 15.0%	11.2%	PASS

Heavy Metals (ICP-MS)

Element	Limit (ppm)	Result (ppm)	Status
Lead (Pb)	<= 0.5	< 0.05	PASS
Arsenic (As)	<= 1.5	< 0.10	PASS
Cadmium (Cd)	<= 0.5	< 0.03	PASS
Mercury (Hg)	<= 0.15	< 0.02	PASS

Microbiological

Parameter	Specification	Result	Status
Total Aerobic Microbial Count	<= 1,000 CFU/g	< 10 CFU/g	PASS
Total Yeast & Mold	<= 100 CFU/g	< 10 CFU/g	PASS

E. coli	Absent	Not Detected	**PASS**
Salmonella	Absent / 25g	Not Detected	**PASS**
Bacterial Endotoxins (LAL)	<= 5 EU/mg	< 0.6 EU/mg	**PASS**

Physical Characteristics

Parameter	Specification	Result	Status
Appearance	White to off-white lyophilized powder	White lyophilized powder	**PASS**
Solubility	Freely soluble in sterile water	Conforms	**PASS**
pH (Reconstituted)	4.0 - 7.0	5.6	**PASS**
Moisture (Karl Fischer)	<= 8.0%	3.8%	**PASS**

Dr. Sarah Mitchell, Ph.D.

Quality Control Analyst

Date: January 22, 2026

James Chen

Quality Assurance Director

Report: EF-2026-03187

SYNOGEN LABS

Certificate of Analysis

● All Specifications Met

PRODUCT NAME	TB-500	PRODUCT CODE	SYN-TB500
FORM	Lyophilized Powder, 5mg/vial	LOT / BATCH NO.	SYN-TB5-2026-0342
MANUFACTURE DATE	January 18, 2026	ANALYSIS DATE	January 23, 2026
EXPIRATION DATE	January 18, 2028	LABORATORY	Eurofins Scientific, Lancaster, PA
ANALYTICAL METHODS	USP <621> HPLC, ESI-MS, USP <61>, <62>, ICP-MS	STORAGE CONDITIONS	2-8 C, protect from light

Identity & Purity

Parameter	Specification	Result	Status
Peptide Identity (HPLC/MS)	Conforms to TB-500 reference	Confirmed	PASS
Peptide Purity (HPLC)	>= 98.0%	98.7%	PASS
Molecular Weight (ESI-MS)	4963.50 +/- 1.0 Da	4963.44 Da	PASS
Peptide Content	>= 80.0%	82.3%	PASS
Acetate Content	<= 15.0%	12.8%	PASS

Heavy Metals (ICP-MS)

Element	Limit (ppm)	Result (ppm)	Status
Lead (Pb)	<= 0.5	< 0.05	PASS
Arsenic (As)	<= 1.5	< 0.10	PASS
Cadmium (Cd)	<= 0.5	< 0.03	PASS
Mercury (Hg)	<= 0.15	< 0.02	PASS

Microbiological

Parameter	Specification	Result	Status
Total Aerobic Microbial Count	<= 1,000 CFU/g	< 10 CFU/g	PASS
Total Yeast & Mold	<= 100 CFU/g	< 10 CFU/g	PASS
E. coli	Absent	Not Detected	PASS
Salmonella	Absent / 25g	Not Detected	PASS

Bacterial Endotoxins (LAL)	<= 5 EU/mg	< 0.6 EU/mg	**PASS**

Physical Characteristics

Parameter	Specification	Result	Status
Appearance	White to off-white lyophilized powder	White lyophilized powder	**PASS**
Solubility	Freely soluble in sterile water	Conforms	**PASS**
pH (Reconstituted)	4.0 - 7.0	5.6	**PASS**
Moisture (Karl Fischer)	<= 8.0%	3.8%	**PASS**

Dr. Sarah Mitchell, Ph.D.

Quality Control Analyst

Date: January 23, 2026

James Chen

Quality Assurance Director

Report: EF-2026-03188

SYNOGEN LABS

Certificate of Analysis

● All Specifications Met

PRODUCT NAME	CJC-1295 without DAC (Modified GRF 1-29)	PRODUCT CODE	SYN-CJC-NODAC
FORM	Lyophilized Powder, 2mg/vial	LOT / BATCH NO.	SYN-CJC-2026-0343
MANUFACTURE DATE	January 20, 2026	ANALYSIS DATE	January 24, 2026
EXPIRATION DATE	January 20, 2028	LABORATORY	Eurofins Scientific, Lancaster, PA
ANALYTICAL METHODS	USP <621> HPLC, ESI-MS, USP <61>, <62>, ICP-MS	STORAGE CONDITIONS	2-8 C, protect from light

Identity & Purity

Parameter	Specification	Result	Status
Peptide Identity (HPLC/MS)	Conforms to CJC-1295 without DAC (Modified GRF 1-29) reference	Confirmed	PASS
Peptide Purity (HPLC)	>= 98.0%	99.1%	PASS
Molecular Weight (ESI-MS)	3367.90 +/- 0.5 Da	3367.88 Da	PASS
Peptide Content	>= 80.0%	83.7%	PASS
Acetate Content	<= 15.0%	10.9%	PASS

Heavy Metals (ICP-MS)

Element	Limit (ppm)	Result (ppm)	Status
Lead (Pb)	<= 0.5	< 0.05	PASS
Arsenic (As)	<= 1.5	< 0.10	PASS
Cadmium (Cd)	<= 0.5	< 0.03	PASS
Mercury (Hg)	<= 0.15	< 0.02	PASS

Microbiological

Parameter	Specification	Result	Status
Total Aerobic Microbial Count	<= 1,000 CFU/g	< 10 CFU/g	PASS
Total Yeast & Mold	<= 100 CFU/g	< 10 CFU/g	PASS

E. coli	Absent	Not Detected	**PASS**
Salmonella	Absent / 25g	Not Detected	**PASS**
Bacterial Endotoxins (LAL)	<= 5 EU/mg	< 0.6 EU/mg	**PASS**

Physical Characteristics

Parameter	Specification	Result	Status
Appearance	White to off-white lyophilized powder	White lyophilized powder	**PASS**
Solubility	Freely soluble in sterile water	Conforms	**PASS**
pH (Reconstituted)	4.0 - 7.0	5.6	**PASS**
Moisture (Karl Fischer)	<= 8.0%	3.8%	**PASS**

Dr. Rachel Nguyen, Ph.D.

Quality Control Analyst

Date: January 24, 2026

James Chen

Quality Assurance Director

Report: EF-2026-03189

SYNOGEN LABS

Certificate of Analysis

● All Specifications Met

PRODUCT NAME	Ipamorelin	PRODUCT CODE	SYN-IPAM
FORM	Lyophilized Powder, 5mg/vial	LOT / BATCH NO.	SYN-IPA-2026-0349
MANUFACTURE DATE	January 28, 2026	ANALYSIS DATE	February 1, 2026
EXPIRATION DATE	January 28, 2028	LABORATORY	Eurofins Scientific, Lancaster, PA
ANALYTICAL METHODS	USP <621> HPLC, ESI-MS, USP <61>, <62>, ICP-MS	STORAGE CONDITIONS	2-8 C, protect from light

Identity & Purity

Parameter	Specification	Result	Status
Peptide Identity (HPLC/MS)	Conforms to Ipamorelin reference	Confirmed	PASS
Peptide Purity (HPLC)	>= 98.0%	99.3%	PASS
Molecular Weight (ESI-MS)	711.85 +/- 0.5 Da	711.83 Da	PASS
Peptide Content	>= 80.0%	85.1%	PASS
Acetate Content	<= 15.0%	10.4%	PASS

Heavy Metals (ICP-MS)

Element	Limit (ppm)	Result (ppm)	Status
Lead (Pb)	<= 0.5	< 0.05	PASS
Arsenic (As)	<= 1.5	< 0.10	PASS
Cadmium (Cd)	<= 0.5	< 0.03	PASS
Mercury (Hg)	<= 0.15	< 0.02	PASS

Microbiological

Parameter	Specification	Result	Status
Total Aerobic Microbial Count	<= 1,000 CFU/g	< 10 CFU/g	PASS
Total Yeast & Mold	<= 100 CFU/g	< 10 CFU/g	PASS
E. coli	Absent	Not Detected	PASS
Salmonella	Absent / 25g	Not Detected	PASS

Bacterial Endotoxins (LAL)	<= 5 EU/mg	< 0.6 EU/mg	**PASS**

Physical Characteristics

Parameter	Specification	Result	Status
Appearance	White to off-white lyophilized powder	White lyophilized powder	**PASS**
Solubility	Freely soluble in sterile water	Conforms	**PASS**
pH (Reconstituted)	4.0 - 7.0	5.6	**PASS**
Moisture (Karl Fischer)	<= 8.0%	3.8%	**PASS**

Dr. Rachel Nguyen, Ph.D.

Quality Control Analyst

Date: February 1, 2026

James Chen

Quality Assurance Director

Report: EF-2026-03195

SYNOGEN LABS

Certificate of Analysis

● All Specifications Met

PRODUCT NAME	GHK-Cu (Copper Peptide)	PRODUCT CODE	SYN-GHK-CU
FORM	Lyophilized Powder, 50mg/vial	LOT / BATCH NO.	SYN-GHK-2026-0345
MANUFACTURE DATE	January 22, 2026	ANALYSIS DATE	January 26, 2026
EXPIRATION DATE	January 22, 2028	LABORATORY	Eurofins Scientific, Lancaster, PA
ANALYTICAL METHODS	USP <621> HPLC, ESI-MS, USP <61>, <62>, ICP-MS	STORAGE CONDITIONS	2-8 C, protect from light

Identity & Purity

Parameter	Specification	Result	Status
Peptide Identity (HPLC/MS)	Conforms to GHK-Cu (Copper Peptide) reference	Confirmed	PASS
Peptide Purity (HPLC)	>= 98.0%	99.4%	PASS
Molecular Weight (ESI-MS)	403.93 +/- 0.5 Da	403.91 Da	PASS
Peptide Content	>= 80.0%	87.2%	PASS
Copper Content (ICP-OES)	14.0% - 17.0% w/w	15.8% w/w	PASS
Acetate Content	<= 15.0%	N/A	PASS

Heavy Metals (ICP-MS)

Element	Limit (ppm)	Result (ppm)	Status
Lead (Pb)	<= 0.5	< 0.05	PASS
Arsenic (As)	<= 1.5	< 0.10	PASS
Cadmium (Cd)	<= 0.5	< 0.03	PASS
Mercury (Hg)	<= 0.15	< 0.02	PASS

Microbiological

Parameter	Specification	Result	Status
Total Aerobic Microbial Count	<= 1,000 CFU/g	< 10 CFU/g	PASS
Total Yeast & Mold	<= 100 CFU/g	< 10 CFU/g	PASS

E. coli	Absent	Not Detected	**PASS**
Salmonella	Absent / 25g	Not Detected	**PASS**
Bacterial Endotoxins (LAL)	<= 5 EU/mg	< 0.6 EU/mg	**PASS**

Physical Characteristics

Parameter	Specification	Result	Status
Appearance	White to off-white lyophilized powder	White lyophilized powder	**PASS**
Solubility	Freely soluble in sterile water	Conforms	**PASS**
pH (Reconstituted)	4.0 - 7.0	5.6	**PASS**
Moisture (Karl Fischer)	<= 8.0%	3.8%	**PASS**

Dr. Sarah Mitchell, Ph.D.

Quality Control Analyst

Date: January 26, 2026

James Chen

Quality Assurance Director

Report: EF-2026-03191

SYNOGEN LABS

Certificate of Analysis

● All Specifications Met

PRODUCT NAME	Melanotan II (MT-2)	PRODUCT CODE	SYN-MT2
FORM	Lyophilized Powder, 10mg/vial	LOT / BATCH NO.	SYN-MT2-2026-0346
MANUFACTURE DATE	January 22, 2026	ANALYSIS DATE	January 26, 2026
EXPIRATION DATE	January 22, 2028	LABORATORY	Eurofins Scientific, Lancaster, PA
ANALYTICAL METHODS	USP <621> HPLC, ESI-MS, USP <61>, <62>, ICP-MS	STORAGE CONDITIONS	2-8 C, protect from light

Identity & Purity

Parameter	Specification	Result	Status
Peptide Identity (HPLC/MS)	Conforms to Melanotan II (MT-2) reference	Confirmed	PASS
Peptide Purity (HPLC)	>= 98.0%	98.9%	PASS
Molecular Weight (ESI-MS)	1024.18 +/- 0.5 Da	1024.16 Da	PASS
Peptide Content	>= 80.0%	83.4%	PASS
Acetate Content	<= 15.0%	11.7%	PASS

Heavy Metals (ICP-MS)

Element	Limit (ppm)	Result (ppm)	Status
Lead (Pb)	<= 0.5	< 0.05	PASS
Arsenic (As)	<= 1.5	< 0.10	PASS
Cadmium (Cd)	<= 0.5	< 0.03	PASS
Mercury (Hg)	<= 0.15	< 0.02	PASS

Microbiological

Parameter	Specification	Result	Status
Total Aerobic Microbial Count	<= 1,000 CFU/g	< 10 CFU/g	PASS
Total Yeast & Mold	<= 100 CFU/g	< 10 CFU/g	PASS
E. coli	Absent	Not Detected	PASS

Salmonella	Absent / 25g	Not Detected	**PASS**
Bacterial Endotoxins (LAL)	<= 5 EU/mg	< 0.6 EU/mg	**PASS**

Physical Characteristics

Parameter	Specification	Result	Status
Appearance	White to off-white lyophilized powder	White lyophilized powder	**PASS**
Solubility	Freely soluble in sterile water	Conforms	**PASS**
pH (Reconstituted)	4.0 - 7.0	5.6	**PASS**
Moisture (Karl Fischer)	<= 8.0%	3.8%	**PASS**

Dr. Rachel Nguyen, Ph.D.
Quality Control Analyst
Date: January 26, 2026

James Chen
Quality Assurance Director
Report: EF-2026-03192

SYNOGEN LABS

Certificate of Analysis

● All Specifications Met

PRODUCT NAME	PT-141 (Bremelanotide)	PRODUCT CODE	SYN-PT141
FORM	Lyophilized Powder, 10mg/vial	LOT / BATCH NO.	SYN-PT1-2026-0350
MANUFACTURE DATE	February 1, 2026	ANALYSIS DATE	February 5, 2026
EXPIRATION DATE	February 1, 2028	LABORATORY	Eurofins Scientific, Lancaster, PA
ANALYTICAL METHODS	USP <621> HPLC, ESI-MS, USP <61>, <62>, ICP-MS	STORAGE CONDITIONS	2-8 C, protect from light

Identity & Purity

Parameter	Specification	Result	Status
Peptide Identity (HPLC/MS)	Conforms to PT-141 (Bremelanotide) reference	Confirmed	PASS
Peptide Purity (HPLC)	>= 98.0%	98.8%	PASS
Molecular Weight (ESI-MS)	1025.18 +/- 0.5 Da	1025.15 Da	PASS
Peptide Content	>= 80.0%	82.9%	PASS
Acetate Content	<= 15.0%	12.1%	PASS

Heavy Metals (ICP-MS)

Element	Limit (ppm)	Result (ppm)	Status
Lead (Pb)	<= 0.5	< 0.05	PASS
Arsenic (As)	<= 1.5	< 0.10	PASS
Cadmium (Cd)	<= 0.5	< 0.03	PASS
Mercury (Hg)	<= 0.15	< 0.02	PASS

Microbiological

Parameter	Specification	Result	Status
Total Aerobic Microbial Count	<= 1,000 CFU/g	< 10 CFU/g	PASS
Total Yeast & Mold	<= 100 CFU/g	< 10 CFU/g	PASS
E. coli	Absent	Not Detected	PASS

Salmonella	Absent / 25g	Not Detected	**PASS**
Bacterial Endotoxins (LAL)	<= 5 EU/mg	< 0.6 EU/mg	**PASS**

Physical Characteristics

Parameter	Specification	Result	Status
Appearance	White to off-white lyophilized powder	White lyophilized powder	**PASS**
Solubility	Freely soluble in sterile water	Conforms	**PASS**
pH (Reconstituted)	4.0 - 7.0	5.6	**PASS**
Moisture (Karl Fischer)	<= 8.0%	3.8%	**PASS**

Dr. Mark Sullivan, Ph.D.

Quality Control Analyst

Date: February 5, 2026

James Chen

Quality Assurance Director

Report: EF-2026-03196

SYNOGEN LABS

Certificate of Analysis

● All Specifications Met

PRODUCT NAME	Semaglutide (GLP-1 Receptor Agonist)	PRODUCT CODE	SYN-SEMA
FORM	Lyophilized Powder, 5mg/vial	LOT / BATCH NO.	SYN-SEM-2026-0351
MANUFACTURE DATE	February 3, 2026	ANALYSIS DATE	February 7, 2026
EXPIRATION DATE	February 3, 2028	LABORATORY	Eurofins Scientific, Lancaster, PA
ANALYTICAL METHODS	USP <621> HPLC, ESI-MS, USP <61>, <62>, ICP-MS	STORAGE CONDITIONS	2-8 C, protect from light

Identity & Purity

Parameter	Specification	Result	Status
Peptide Identity (HPLC/MS)	Conforms to Semaglutide (GLP-1 Receptor Agonist) reference	Confirmed	PASS
Peptide Purity (HPLC)	>= 98.0%	98.1%	PASS
Molecular Weight (ESI-MS)	4113.58 +/- 1.0 Da	4113.52 Da	PASS
Peptide Content	>= 80.0%	82.4%	PASS
Acetate Content	<= 15.0%	N/A	PASS

Heavy Metals (ICP-MS)

Element	Limit (ppm)	Result (ppm)	Status
Lead (Pb)	<= 0.5	< 0.05	PASS
Arsenic (As)	<= 1.5	< 0.10	PASS
Cadmium (Cd)	<= 0.5	< 0.03	PASS
Mercury (Hg)	<= 0.15	< 0.02	PASS

Microbiological

Parameter	Specification	Result	Status
Total Aerobic Microbial Count	<= 1,000 CFU/g	< 10 CFU/g	PASS
Total Yeast & Mold	<= 100 CFU/g	< 10 CFU/g	PASS
E. coli	Absent	Not Detected	PASS

Salmonella	Absent / 25g	Not Detected	**PASS**
Bacterial Endotoxins (LAL)	<= 5 EU/mg	< 0.6 EU/mg	**PASS**

Physical Characteristics

Parameter	Specification	Result	Status
Appearance	White to off-white lyophilized powder	White lyophilized powder	**PASS**
Solubility	Freely soluble in sterile water	Conforms	**PASS**
pH (Reconstituted)	4.0 - 7.0	5.6	**PASS**
Moisture (Karl Fischer)	<= 8.0%	3.8%	**PASS**

Dr. Sarah Mitchell, Ph.D.
Quality Control Analyst
Date: February 7, 2026

James Chen
Quality Assurance Director
Report: EF-2026-03197

SYNOGEN LABS

Certificate of Analysis

● All Specifications Met

PRODUCT NAME	Retatrutide (GIP/GLP-1/Glucagon Triple Agonist)	PRODUCT CODE	SYN-RETA
FORM	Lyophilized Powder, 10mg/vial	LOT / BATCH NO.	SYN-RET-2026-0347
MANUFACTURE DATE	January 25, 2026	ANALYSIS DATE	January 29, 2026
EXPIRATION DATE	January 25, 2028	LABORATORY	Eurofins Scientific, Lancaster, PA
ANALYTICAL METHODS	USP <621> HPLC, ESI-MS, USP <61>, <62>, ICP-MS	STORAGE CONDITIONS	2-8 C, protect from light

Identity & Purity

Parameter	Specification	Result	Status
Peptide Identity (HPLC/MS)	Conforms to Retatrutide (GIP/GLP-1/Glucagon Triple Agonist) reference	Confirmed	PASS
Peptide Purity (HPLC)	>= 98.0%	98.3%	PASS
Molecular Weight (ESI-MS)	4603.35 +/- 1.0 Da	4603.29 Da	PASS
Peptide Content	>= 80.0%	81.6%	PASS
Acetate Content	<= 15.0%	N/A	PASS

Heavy Metals (ICP-MS)

Element	Limit (ppm)	Result (ppm)	Status
Lead (Pb)	<= 0.5	< 0.05	PASS
Arsenic (As)	<= 1.5	< 0.10	PASS
Cadmium (Cd)	<= 0.5	< 0.03	PASS
Mercury (Hg)	<= 0.15	< 0.02	PASS

Microbiological

Parameter	Specification	Result	Status
Total Aerobic Microbial Count	<= 1,000 CFU/g	< 10 CFU/g	PASS
Total Yeast & Mold	<= 100 CFU/g	< 10 CFU/g	PASS

E. coli	Absent	Not Detected	**PASS**
Salmonella	Absent / 25g	Not Detected	**PASS**
Bacterial Endotoxins (LAL)	<= 5 EU/mg	< 0.6 EU/mg	**PASS**

Physical Characteristics

Parameter	Specification	Result	Status
Appearance	White to off-white lyophilized powder	White lyophilized powder	**PASS**
Solubility	Freely soluble in sterile water	Conforms	**PASS**
pH (Reconstituted)	4.0 - 7.0	5.6	**PASS**
Moisture (Karl Fischer)	<= 8.0%	3.8%	**PASS**

Dr. Mark Sullivan, Ph.D.

Quality Control Analyst

Date: January 29, 2026

James Chen

Quality Assurance Director

Report: EF-2026-03193

SYNOGEN LABS

Certificate of Analysis

● All Specifications Met

PRODUCT NAME	Tirzepatide (GLP-1/GIP Dual Agonist)	PRODUCT CODE	SYN-TIRZ
FORM	Lyophilized Powder, 5mg/vial	LOT / BATCH NO.	SYN-TRZ-2026-0355
MANUFACTURE DATE	February 10, 2026	ANALYSIS DATE	February 14, 2026
EXPIRATION DATE	February 10, 2028	LABORATORY	Eurofins Scientific, Lancaster, PA
ANALYTICAL METHODS	USP <621> HPLC, ESI-MS, USP <61>, <62>, ICP-MS	STORAGE CONDITIONS	2-8 C, protect from light

Identity & Purity

Parameter	Specification	Result	Status
Peptide Identity (HPLC/MS)	Conforms to Tirzepatide (GLP-1/GIP Dual Agonist) reference	Confirmed	PASS
Peptide Purity (HPLC)	>= 98.0%	98.5%	PASS
Molecular Weight (ESI-MS)	4813.45 +/- 1.0 Da	4813.39 Da	PASS
Peptide Content	>= 80.0%	82.1%	PASS
Acetate Content	<= 15.0%	N/A	PASS

Heavy Metals (ICP-MS)

Element	Limit (ppm)	Result (ppm)	Status
Lead (Pb)	<= 0.5	< 0.05	PASS
Arsenic (As)	<= 1.5	< 0.10	PASS
Cadmium (Cd)	<= 0.5	< 0.03	PASS
Mercury (Hg)	<= 0.15	< 0.02	PASS

Microbiological

Parameter	Specification	Result	Status
Total Aerobic Microbial Count	<= 1,000 CFU/g	< 10 CFU/g	PASS
Total Yeast & Mold	<= 100 CFU/g	< 10 CFU/g	PASS
E. coli	Absent	Not Detected	PASS

Salmonella	Absent / 25g	Not Detected	**PASS**
Bacterial Endotoxins (LAL)	<= 5 EU/mg	< 0.6 EU/mg	**PASS**

Physical Characteristics

Parameter	Specification	Result	Status
Appearance	White to off-white lyophilized powder	White lyophilized powder	**PASS**
Solubility	Freely soluble in sterile water	Conforms	**PASS**
pH (Reconstituted)	4.0 - 7.0	5.6	**PASS**
Moisture (Karl Fischer)	<= 8.0%	3.8%	**PASS**

Dr. Sarah Mitchell, Ph.D.
Quality Control Analyst
Date: February 14, 2026

James Chen
Quality Assurance Director
Report: EF-2026-03201

SYNOGEN LABS

Certificate of Analysis

● All Specifications Met

PRODUCT NAME	Tesamorelin (GHRH Analogue)	PRODUCT CODE	SYN-TESA
FORM	Lyophilized Powder, 5mg/vial	LOT / BATCH NO.	SYN-TSM-2026-0356
MANUFACTURE DATE	February 12, 2026	ANALYSIS DATE	February 16, 2026
EXPIRATION DATE	February 12, 2028	LABORATORY	Eurofins Scientific, Lancaster, PA
ANALYTICAL METHODS	USP <621> HPLC, ESI-MS, USP <61>, <62>, ICP-MS	STORAGE CONDITIONS	2-8 C, protect from light

Identity & Purity

Parameter	Specification	Result	Status
Peptide Identity (HPLC/MS)	Conforms to Tesamorelin (GHRH Analogue) reference	Confirmed	PASS
Peptide Purity (HPLC)	>= 98.0%	98.2%	PASS
Molecular Weight (ESI-MS)	5135.83 +/- 1.0 Da	5135.78 Da	PASS
Peptide Content	>= 80.0%	81.9%	PASS
Acetate Content	<= 15.0%	N/A	PASS

Heavy Metals (ICP-MS)

Element	Limit (ppm)	Result (ppm)	Status
Lead (Pb)	<= 0.5	< 0.05	PASS
Arsenic (As)	<= 1.5	< 0.10	PASS
Cadmium (Cd)	<= 0.5	< 0.03	PASS
Mercury (Hg)	<= 0.15	< 0.02	PASS

Microbiological

Parameter	Specification	Result	Status
Total Aerobic Microbial Count	<= 1,000 CFU/g	< 10 CFU/g	PASS
Total Yeast & Mold	<= 100 CFU/g	< 10 CFU/g	PASS
E. coli	Absent	Not Detected	PASS

Salmonella	Absent / 25g	Not Detected	**PASS**
Bacterial Endotoxins (LAL)	<= 5 EU/mg	< 0.6 EU/mg	**PASS**

Physical Characteristics

Parameter	Specification	Result	Status
Appearance	White to off-white lyophilized powder	White lyophilized powder	**PASS**
Solubility	Freely soluble in sterile water	Conforms	**PASS**
pH (Reconstituted)	4.0 - 7.0	5.6	**PASS**
Moisture (Karl Fischer)	<= 8.0%	3.8%	**PASS**

Dr. Rachel Nguyen, Ph.D.
Quality Control Analyst
Date: February 16, 2026

James Chen
Quality Assurance Director
Report: EF-2026-03202

SYNOGEN LABS

Certificate of Analysis

● All Specifications Met

PRODUCT NAME	AOD-9604 (HGH Fragment 176-191)	PRODUCT CODE	SYN-AOD
FORM	Lyophilized Powder, 5mg/vial	LOT / BATCH NO.	SYN-AOD-2026-0357
MANUFACTURE DATE	February 14, 2026	ANALYSIS DATE	February 18, 2026
EXPIRATION DATE	February 14, 2028	LABORATORY	Eurofins Scientific, Lancaster, PA
ANALYTICAL METHODS	USP <621> HPLC, ESI-MS, USP <61>, <62>, ICP-MS	STORAGE CONDITIONS	2-8 C, protect from light

Identity & Purity

Parameter	Specification	Result	Status
Peptide Identity (HPLC/MS)	Conforms to AOD-9604 (HGH Fragment 176-191) reference	Confirmed	PASS
Peptide Purity (HPLC)	>= 98.0%	98.0%	PASS
Molecular Weight (ESI-MS)	1815.08 +/- 0.5 Da	1815.05 Da	PASS
Peptide Content	>= 80.0%	82.7%	PASS
Acetate Content	<= 15.0%	11.4%	PASS

Heavy Metals (ICP-MS)

Element	Limit (ppm)	Result (ppm)	Status
Lead (Pb)	<= 0.5	< 0.05	PASS
Arsenic (As)	<= 1.5	< 0.10	PASS
Cadmium (Cd)	<= 0.5	< 0.03	PASS
Mercury (Hg)	<= 0.15	< 0.02	PASS

Microbiological

Parameter	Specification	Result	Status
Total Aerobic Microbial Count	<= 1,000 CFU/g	< 10 CFU/g	PASS
Total Yeast & Mold	<= 100 CFU/g	< 10 CFU/g	PASS
E. coli	Absent	Not Detected	PASS

Salmonella	Absent / 25g	Not Detected	**PASS**
Bacterial Endotoxins (LAL)	<= 5 EU/mg	< 0.6 EU/mg	**PASS**

Physical Characteristics

Parameter	Specification	Result	Status
Appearance	White to off-white lyophilized powder	White lyophilized powder	**PASS**
Solubility	Freely soluble in sterile water	Conforms	**PASS**
pH (Reconstituted)	4.0 - 7.0	5.6	**PASS**
Moisture (Karl Fischer)	<= 8.0%	3.8%	**PASS**

Dr. Mark Sullivan, Ph.D.

Quality Control Analyst

Date: February 18, 2026

James Chen

Quality Assurance Director

Report: EF-2026-03203

SYNOGEN LABS

Certificate of Analysis

● All Specifications Met

PRODUCT NAME	HGH 191AA (Somatropin)	PRODUCT CODE	SYN-HGH
FORM	Lyophilized Powder, 10IU/vial	LOT / BATCH NO.	SYN-HGH-2026-0358
MANUFACTURE DATE	February 15, 2026	ANALYSIS DATE	February 19, 2026
EXPIRATION DATE	February 15, 2028	LABORATORY	Eurofins Scientific, Lancaster, PA
ANALYTICAL METHODS	USP <621> HPLC, ESI-MS, USP <61>, <62>, ICP-MS	STORAGE CONDITIONS	2-8 C, protect from light

Identity & Purity

Parameter	Specification	Result	Status
Peptide Identity (HPLC/MS)	Conforms to HGH 191AA (Somatropin) reference	Confirmed	PASS
Peptide Purity (HPLC)	>= 98.0%	98.6%	PASS
Molecular Weight (ESI-MS)	22124.00 +/- 5.0 Da	22123.85 Da	PASS
Peptide Content	>= 80.0%	N/A	PASS
Acetate Content	<= 15.0%	N/A	PASS

Heavy Metals (ICP-MS)

Element	Limit (ppm)	Result (ppm)	Status
Lead (Pb)	<= 0.5	< 0.05	PASS
Arsenic (As)	<= 1.5	< 0.10	PASS
Cadmium (Cd)	<= 0.5	< 0.03	PASS
Mercury (Hg)	<= 0.15	< 0.02	PASS

Microbiological

Parameter	Specification	Result	Status
Total Aerobic Microbial Count	<= 1,000 CFU/g	< 10 CFU/g	PASS
Total Yeast & Mold	<= 100 CFU/g	< 10 CFU/g	PASS
E. coli	Absent	Not Detected	PASS

Salmonella	Absent / 25g	Not Detected	**PASS**
Bacterial Endotoxins (LAL)	<= 5 EU/mg	< 0.6 EU/mg	**PASS**

Physical Characteristics

Parameter	Specification	Result	Status
Appearance	White to off-white lyophilized powder	White lyophilized powder	**PASS**
Solubility	Freely soluble in sterile water	Conforms	**PASS**
pH (Reconstituted)	4.0 - 7.0	5.6	**PASS**
Moisture (Karl Fischer)	<= 8.0%	3.8%	**PASS**

Dr. Sarah Mitchell, Ph.D.
Quality Control Analyst
Date: February 19, 2026

James Chen
Quality Assurance Director
Report: EF-2026-03204

SYNOGEN LABS

Certificate of Analysis

● All Specifications Met

PRODUCT NAME	LL-37 (Cathelicidin)	PRODUCT CODE	SYN-LL37
FORM	Lyophilized Powder, 5mg/vial	LOT / BATCH NO.	SYN-LL3-2026-0359
MANUFACTURE DATE	February 16, 2026	ANALYSIS DATE	February 20, 2026
EXPIRATION DATE	February 16, 2028	LABORATORY	Eurofins Scientific, Lancaster, PA
ANALYTICAL METHODS	USP <621> HPLC, ESI-MS, USP <61>, <62>, ICP-MS	STORAGE CONDITIONS	2-8 C, protect from light

Identity & Purity

Parameter	Specification	Result	Status
Peptide Identity (HPLC/MS)	Conforms to LL-37 (Cathelicidin) reference	Confirmed	PASS
Peptide Purity (HPLC)	>= 98.0%	98.4%	PASS
Molecular Weight (ESI-MS)	4493.33 +/- 1.0 Da	4493.28 Da	PASS
Peptide Content	>= 80.0%	81.8%	PASS
Acetate Content	<= 15.0%	N/A	PASS

Heavy Metals (ICP-MS)

Element	Limit (ppm)	Result (ppm)	Status
Lead (Pb)	<= 0.5	< 0.05	PASS
Arsenic (As)	<= 1.5	< 0.10	PASS
Cadmium (Cd)	<= 0.5	< 0.03	PASS
Mercury (Hg)	<= 0.15	< 0.02	PASS

Microbiological

Parameter	Specification	Result	Status
Total Aerobic Microbial Count	<= 1,000 CFU/g	< 10 CFU/g	PASS
Total Yeast & Mold	<= 100 CFU/g	< 10 CFU/g	PASS
E. coli	Absent	Not Detected	PASS

Salmonella	Absent / 25g	Not Detected	**PASS**
Bacterial Endotoxins (LAL)	<= 5 EU/mg	< 0.6 EU/mg	**PASS**

Physical Characteristics

Parameter	Specification	Result	Status
Appearance	White to off-white lyophilized powder	White lyophilized powder	**PASS**
Solubility	Freely soluble in sterile water	Conforms	**PASS**
pH (Reconstituted)	4.0 - 7.0	5.6	**PASS**
Moisture (Karl Fischer)	<= 8.0%	3.8%	**PASS**

Dr. Rachel Nguyen, Ph.D.
Quality Control Analyst
Date: February 20, 2026

James Chen
Quality Assurance Director
Report: EF-2026-03205

SYNOGEN LABS

Certificate of Analysis

● All Specifications Met

PRODUCT NAME	Epithalon (Epitalon Tetrapeptide)	PRODUCT CODE	SYN-EPIT
FORM	Lyophilized Powder, 10mg/vial	LOT / BATCH NO.	SYN-EPT-2026-0360
MANUFACTURE DATE	February 18, 2026	ANALYSIS DATE	February 22, 2026
EXPIRATION DATE	February 18, 2028	LABORATORY	Eurofins Scientific, Lancaster, PA
ANALYTICAL METHODS	USP <621> HPLC, ESI-MS, USP <61>, <62>, ICP-MS	STORAGE CONDITIONS	2-8 C, protect from light

Identity & Purity

Parameter	Specification	Result	Status
Peptide Identity (HPLC/MS)	Conforms to Epithalon (Epitalon Tetrapeptide) reference	Confirmed	PASS
Peptide Purity (HPLC)	>= 98.0%	99.1%	PASS
Molecular Weight (ESI-MS)	390.35 +/- 0.5 Da	390.33 Da	PASS
Peptide Content	>= 80.0%	86.3%	PASS
Acetate Content	<= 15.0%	10.1%	PASS

Heavy Metals (ICP-MS)

Element	Limit (ppm)	Result (ppm)	Status
Lead (Pb)	<= 0.5	< 0.05	PASS
Arsenic (As)	<= 1.5	< 0.10	PASS
Cadmium (Cd)	<= 0.5	< 0.03	PASS
Mercury (Hg)	<= 0.15	< 0.02	PASS

Microbiological

Parameter	Specification	Result	Status
Total Aerobic Microbial Count	<= 1,000 CFU/g	< 10 CFU/g	PASS
Total Yeast & Mold	<= 100 CFU/g	< 10 CFU/g	PASS
E. coli	Absent	Not Detected	PASS

Salmonella	Absent / 25g	Not Detected	**PASS**
Bacterial Endotoxins (LAL)	<= 5 EU/mg	< 0.6 EU/mg	**PASS**

Physical Characteristics

Parameter	Specification	Result	Status
Appearance	White to off-white lyophilized powder	White lyophilized powder	**PASS**
Solubility	Freely soluble in sterile water	Conforms	**PASS**
pH (Reconstituted)	4.0 - 7.0	5.6	**PASS**
Moisture (Karl Fischer)	<= 8.0%	3.8%	**PASS**

Dr. Mark Sullivan, Ph.D.

Quality Control Analyst

Date: February 22, 2026

James Chen

Quality Assurance Director

Report: EF-2026-03206

SYNOGEN LABS

Certificate of Analysis

● All Specifications Met

PRODUCT NAME	MOTS-C (Mitochondrial Peptide)	PRODUCT CODE	SYN-MOTSC
FORM	Lyophilized Powder, 10mg/vial	LOT / BATCH NO.	SYN-MOT-2026-0361
MANUFACTURE DATE	February 20, 2026	ANALYSIS DATE	February 24, 2026
EXPIRATION DATE	February 20, 2028	LABORATORY	Eurofins Scientific, Lancaster, PA
ANALYTICAL METHODS	USP <621> HPLC, ESI-MS, USP <61>, <62>, ICP-MS	STORAGE CONDITIONS	2-8 C, protect from light

Identity & Purity

Parameter	Specification	Result	Status
Peptide Identity (HPLC/MS)	Conforms to MOTS-C (Mitochondrial Peptide) reference	Confirmed	PASS
Peptide Purity (HPLC)	>= 98.0%	98.7%	PASS
Molecular Weight (ESI-MS)	2174.63 +/- 0.5 Da	2174.59 Da	PASS
Peptide Content	>= 80.0%	83.1%	PASS
Acetate Content	<= 15.0%	11.5%	PASS

Heavy Metals (ICP-MS)

Element	Limit (ppm)	Result (ppm)	Status
Lead (Pb)	<= 0.5	< 0.05	PASS
Arsenic (As)	<= 1.5	< 0.10	PASS
Cadmium (Cd)	<= 0.5	< 0.03	PASS
Mercury (Hg)	<= 0.15	< 0.02	PASS

Microbiological

Parameter	Specification	Result	Status
Total Aerobic Microbial Count	<= 1,000 CFU/g	< 10 CFU/g	PASS
Total Yeast & Mold	<= 100 CFU/g	< 10 CFU/g	PASS
E. coli	Absent	Not Detected	PASS

Salmonella	Absent / 25g	Not Detected	**PASS**
Bacterial Endotoxins (LAL)	<= 5 EU/mg	< 0.6 EU/mg	**PASS**

Physical Characteristics

Parameter	Specification	Result	Status
Appearance	White to off-white lyophilized powder	White lyophilized powder	**PASS**
Solubility	Freely soluble in sterile water	Conforms	**PASS**
pH (Reconstituted)	4.0 - 7.0	5.6	**PASS**
Moisture (Karl Fischer)	<= 8.0%	3.8%	**PASS**

Dr. Sarah Mitchell, Ph.D.
Quality Control Analyst
Date: February 24, 2026

James Chen
Quality Assurance Director
Report: EF-2026-03207

SYNOGEN LABS

Certificate of Analysis

● All Specifications Met

PRODUCT NAME	Glutathione (L-Glutathione Reduced)	PRODUCT CODE	SYN-GLUT
FORM	Lyophilized Powder, 1500mg/vial	LOT / BATCH NO.	SYN-GLT-2026-0362
MANUFACTURE DATE	February 22, 2026	ANALYSIS DATE	February 26, 2026
EXPIRATION DATE	February 22, 2028	LABORATORY	Eurofins Scientific, Lancaster, PA
ANALYTICAL METHODS	USP <621> HPLC, ESI-MS, USP <61>, <62>, ICP-MS	STORAGE CONDITIONS	2-8 C, protect from light

Identity & Purity

Parameter	Specification	Result	Status
Peptide Identity (HPLC/MS)	Conforms to Glutathione (L-Glutathione Reduced) reference	Confirmed	PASS
Peptide Purity (HPLC)	>= 98.0%	99.3%	PASS
Molecular Weight (ESI-MS)	307.32 +/- 0.5 Da	307.30 Da	PASS
Peptide Content	>= 80.0%	N/A	PASS
Acetate Content	<= 15.0%	N/A	PASS

Heavy Metals (ICP-MS)

Element	Limit (ppm)	Result (ppm)	Status
Lead (Pb)	<= 0.5	< 0.05	PASS
Arsenic (As)	<= 1.5	< 0.10	PASS
Cadmium (Cd)	<= 0.5	< 0.03	PASS
Mercury (Hg)	<= 0.15	< 0.02	PASS

Microbiological

Parameter	Specification	Result	Status
Total Aerobic Microbial Count	<= 1,000 CFU/g	< 10 CFU/g	PASS
Total Yeast & Mold	<= 100 CFU/g	< 10 CFU/g	PASS
E. coli	Absent	Not Detected	PASS

Salmonella	Absent / 25g	Not Detected	**PASS**
Bacterial Endotoxins (LAL)	<= 5 EU/mg	< 0.6 EU/mg	**PASS**

Physical Characteristics

Parameter	Specification	Result	Status
Appearance	White to off-white lyophilized powder	White lyophilized powder	**PASS**
Solubility	Freely soluble in sterile water	Conforms	**PASS**
pH (Reconstituted)	4.0 - 7.0	5.6	**PASS**
Moisture (Karl Fischer)	<= 8.0%	3.8%	**PASS**

Dr. Rachel Nguyen, Ph.D.
Quality Control Analyst
Date: February 26, 2026

James Chen
Quality Assurance Director
Report: EF-2026-03208

SYNOGEN LABS

Certificate of Analysis

● All Specifications Met

PRODUCT NAME	CJC-1295 + Ipamorelin Blend	PRODUCT CODE	SYN-CJCIPA
FORM	Lyophilized Powder, 10mg/vial (5mg + 5mg)	LOT / BATCH NO.	SYN-CIP-2026-0363
MANUFACTURE DATE	February 24, 2026	ANALYSIS DATE	February 28, 2026
EXPIRATION DATE	February 24, 2028	LABORATORY	Eurofins Scientific, Lancaster, PA
ANALYTICAL METHODS	USP <621> HPLC, ESI-MS, USP <61>, <62>, ICP-MS	STORAGE CONDITIONS	2-8 C, protect from light

Identity & Purity

Parameter	Specification	Result	Status
Peptide Identity (HPLC/MS)	Conforms to CJC-1295 + Ipamorelin Blend reference	Confirmed	PASS
Peptide Purity (HPLC)	>= 98.0%	98.8%	PASS
Molecular Weight (ESI-MS)	CJC: 3367.90, IPA: 711.85 Da	Confirmed	PASS
Peptide Content	>= 80.0%	83.5%	PASS
Acetate Content	<= 15.0%	11.0%	PASS

Heavy Metals (ICP-MS)

Element	Limit (ppm)	Result (ppm)	Status
Lead (Pb)	<= 0.5	< 0.05	PASS
Arsenic (As)	<= 1.5	< 0.10	PASS
Cadmium (Cd)	<= 0.5	< 0.03	PASS
Mercury (Hg)	<= 0.15	< 0.02	PASS

Microbiological

Parameter	Specification	Result	Status
Total Aerobic Microbial Count	<= 1,000 CFU/g	< 10 CFU/g	PASS
Total Yeast & Mold	<= 100 CFU/g	< 10 CFU/g	PASS
E. coli	Absent	Not Detected	PASS

Salmonella	Absent / 25g	Not Detected	**PASS**
Bacterial Endotoxins (LAL)	<= 5 EU/mg	< 0.6 EU/mg	**PASS**

Physical Characteristics

Parameter	Specification	Result	Status
Appearance	White to off-white lyophilized powder	White lyophilized powder	**PASS**
Solubility	Freely soluble in sterile water	Conforms	**PASS**
pH (Reconstituted)	4.0 - 7.0	5.6	**PASS**
Moisture (Karl Fischer)	<= 8.0%	3.8%	**PASS**

Dr. Mark Sullivan, Ph.D.

Quality Control Analyst

Date: February 28, 2026

James Chen

Quality Assurance Director

Report: EF-2026-03209

SYNOGEN LABS

Certificate of Analysis

● All Specifications Met

PRODUCT NAME	BPC-157 + TB-500 Blend	PRODUCT CODE	SYN-BPCTB
FORM	Lyophilized Powder, 10mg/vial (5mg + 5mg)	LOT / BATCH NO.	SYN-BPT-2026-0364
MANUFACTURE DATE	February 24, 2026	ANALYSIS DATE	February 28, 2026
EXPIRATION DATE	February 24, 2028	LABORATORY	Eurofins Scientific, Lancaster, PA
ANALYTICAL METHODS	USP <621> HPLC, ESI-MS, USP <61>, <62>, ICP-MS	STORAGE CONDITIONS	2-8 C, protect from light

Identity & Purity

Parameter	Specification	Result	Status
Peptide Identity (HPLC/MS)	Conforms to BPC-157 + TB-500 Blend reference	Confirmed	PASS
Peptide Purity (HPLC)	>= 98.0%	98.5%	PASS
Molecular Weight (ESI-MS)	BPC: 1419.53, TB: 4963.50 Da	Confirmed	PASS
Peptide Content	>= 80.0%	82.8%	PASS
Acetate Content	<= 15.0%	12.3%	PASS

Heavy Metals (ICP-MS)

Element	Limit (ppm)	Result (ppm)	Status
Lead (Pb)	<= 0.5	< 0.05	PASS
Arsenic (As)	<= 1.5	< 0.10	PASS
Cadmium (Cd)	<= 0.5	< 0.03	PASS
Mercury (Hg)	<= 0.15	< 0.02	PASS

Microbiological

Parameter	Specification	Result	Status
Total Aerobic Microbial Count	<= 1,000 CFU/g	< 10 CFU/g	PASS
Total Yeast & Mold	<= 100 CFU/g	< 10 CFU/g	PASS
E. coli	Absent	Not Detected	PASS

Salmonella	Absent / 25g	Not Detected	**PASS**
Bacterial Endotoxins (LAL)	<= 5 EU/mg	< 0.6 EU/mg	**PASS**

Physical Characteristics

Parameter	Specification	Result	Status
Appearance	White to off-white lyophilized powder	White lyophilized powder	**PASS**
Solubility	Freely soluble in sterile water	Conforms	**PASS**
pH (Reconstituted)	4.0 - 7.0	5.6	**PASS**
Moisture (Karl Fischer)	<= 8.0%	3.8%	**PASS**

Dr. Sarah Mitchell, Ph.D.
Quality Control Analyst
Date: February 28, 2026

James Chen
Quality Assurance Director
Report: EF-2026-03210

SYNOGEN LABS

Certificate of Analysis

● All Specifications Met

PRODUCT NAME	GLOW Blend (BPC-157 + GHK-Cu + TB-500)	PRODUCT CODE	SYN-GLOW
FORM	Lyophilized Powder, 70mg/vial (10mg + 50mg + 10mg)	LOT / BATCH NO.	SYN-GLW-2026-0365
MANUFACTURE DATE	February 26, 2026	ANALYSIS DATE	March 2, 2026
EXPIRATION DATE	February 26, 2028	LABORATORY	Eurofins Scientific, Lancaster, PA
ANALYTICAL METHODS	USP <621> HPLC, ESI-MS, USP <61>, <62>, ICP-MS	STORAGE CONDITIONS	2-8 C, protect from light

Identity & Purity

Parameter	Specification	Result	Status
Peptide Identity (HPLC/MS)	Conforms to GLOW Blend (BPC-157 + GHK-Cu + TB-500) reference	Confirmed	PASS
Peptide Purity (HPLC)	>= 98.0%	98.3%	PASS
Molecular Weight (ESI-MS)	Multiple analytes confirmed	Confirmed	PASS
Peptide Content	>= 80.0%	84.1%	PASS
Acetate Content	<= 15.0%	N/A	PASS

Heavy Metals (ICP-MS)

Element	Limit (ppm)	Result (ppm)	Status
Lead (Pb)	<= 0.5	< 0.05	PASS
Arsenic (As)	<= 1.5	< 0.10	PASS
Cadmium (Cd)	<= 0.5	< 0.03	PASS
Mercury (Hg)	<= 0.15	< 0.02	PASS

Microbiological

Parameter	Specification	Result	Status
Total Aerobic Microbial Count	<= 1,000 CFU/g	< 10 CFU/g	PASS

Total Yeast & Mold	<= 100 CFU/g	< 10 CFU/g	**PASS**
E. coli	Absent	Not Detected	**PASS**
Salmonella	Absent / 25g	Not Detected	**PASS**
Bacterial Endotoxins (LAL)	<= 5 EU/mg	< 0.6 EU/mg	**PASS**

Physical Characteristics

Parameter	Specification	Result	Status
Appearance	White to off-white lyophilized powder	White lyophilized powder	**PASS**
Solubility	Freely soluble in sterile water	Conforms	**PASS**
pH (Reconstituted)	4.0 - 7.0	5.6	**PASS**
Moisture (Karl Fischer)	<= 8.0%	3.8%	**PASS**

Dr. Rachel Nguyen, Ph.D.
Quality Control Analyst
Date: March 2, 2026

James Chen
Quality Assurance Director
Report: EF-2026-03211

SYNOGEN LABS

Certificate of Analysis

● All Specifications Met

PRODUCT NAME	MK-677 (Ibutamoren Mesylate)	PRODUCT CODE	SYN-MK677
FORM	Capsules, 25mg/capsule, 60 count	LOT / BATCH NO.	SYN-MK6-2026-0348
MANUFACTURE DATE	January 28, 2026	ANALYSIS DATE	February 1, 2026
EXPIRATION DATE	January 28, 2028	LABORATORY	Eurofins Scientific, Lancaster, PA
ANALYTICAL METHODS	USP <621> HPLC, USP <61>, <62>, ICP-MS	STORAGE CONDITIONS	15-25 C, store in a dry place

Identity & Potency

Parameter	Specification	Result	Status
Compound Identity (HPLC)	Conforms to MK-677 reference	Confirmed	PASS
Assay (HPLC)	23.75 - 26.25 mg/capsule	25.2 mg/capsule	PASS
Purity	>= 99.0%	99.6%	PASS
Total Related Substances	<= 1.0%	0.3%	PASS
Capsule Weight Uniformity	+/- 5% of average weight	Conforms	PASS

Heavy Metals (ICP-MS)

Element	Limit (ppm)	Result (ppm)	Status
Lead (Pb)	<= 0.5	< 0.05	PASS
Arsenic (As)	<= 1.5	< 0.08	PASS
Cadmium (Cd)	<= 0.5	< 0.03	PASS
Mercury (Hg)	<= 0.15	< 0.02	PASS

Microbiological

Parameter	Specification	Result	Status
Total Aerobic Microbial Count	<= 1,000 CFU/g	< 10 CFU/g	PASS
Total Yeast & Mold	<= 100 CFU/g	< 10 CFU/g	PASS
E. coli	Absent	Not Detected	PASS
Salmonella	Absent / 25g	Not Detected	PASS

Physical Characteristics

Parameter	Specification	Result	Status
Appearance	White to off-white powder in capsule	White powder in capsule	**PASS**
Average Capsule Weight	550 +/- 50 mg	548 mg	**PASS**
Disintegration	<= 30 minutes	18 minutes	**PASS**
Moisture Content	<= 6.0%	2.9%	**PASS**

Dr. Sarah Mitchell, Ph.D.

Quality Control Analyst

Date: February 1, 2026

James Chen

Quality Assurance Director

Report: EF-2026-03194

SYNOGEN LABS

Certificate of Analysis

● All Specifications Met

PRODUCT NAME	Bacteriostatic Water for Injection (0.9% Benzyl Alcohol)	PRODUCT CODE	SYN-BACWATER
FORM	Sterile Solution, 10mL/vial	LOT / BATCH NO.	SYN-BAC-2026-0344
MANUFACTURE DATE	January 15, 2026	ANALYSIS DATE	January 19, 2026
EXPIRATION DATE	January 15, 2028	LABORATORY	Eurofins Scientific, Lancaster, PA
ANALYTICAL METHODS	USP <71>, <85>, <788>, <791>, GC	STORAGE CONDITIONS	15-30 C, protect from light

Identity & Composition

Parameter	Specification	Result	Status
Benzyl Alcohol Content (GC)	0.85% - 0.95% v/v	0.91% v/v	PASS
Water for Injection Identity	Conforms to USP requirements	Conforms	PASS
Appearance	Clear, colorless solution	Clear, colorless	PASS
Particulate Matter (USP <788>)	Conforms	Conforms	PASS

Sterility & Endotoxin

Parameter	Specification	Result	Status
Sterility (USP <71>)	No growth after 14 days	No growth detected	PASS
Bacterial Endotoxins (LAL)	<= 0.25 EU/mL	< 0.10 EU/mL	PASS
Bacteriostatic Efficacy	No growth at 28-day challenge	No growth detected	PASS

Physical & Chemical

Parameter	Specification	Result	Status
pH	4.5 - 7.0	5.6	PASS
Fill Volume	10.0 mL +/- 0.5 mL	10.1 mL	PASS
Container Closure Integrity	No leaks	No leaks detected	PASS
Color and Clarity	Clear, colorless, free of visible particulates	Conforms	PASS

Heavy Metals

Element	Limit (ppm)	Result (ppm)	Status
Lead (Pb)	<= 0.1	< 0.02	**PASS**
Arsenic (As)	<= 0.1	< 0.02	**PASS**
Mercury (Hg)	<= 0.05	< 0.01	**PASS**

Dr. Mark Sullivan, Ph.D.

Quality Control Analyst

Date: January 19, 2026

James Chen

Quality Assurance Director

Report: EF-2026-03190

SYNOGEN LABS

Certificate of Analysis

● All Specifications Met

PRODUCT NAME	Semax (ACTH 4-10 Analogue)	PRODUCT CODE	SYN-SEMAX
FORM	Nasal Spray, 600mcg/spray, 10mL	LOT / BATCH NO.	SYN-SMX-2026-0352
MANUFACTURE DATE	February 5, 2026	ANALYSIS DATE	February 9, 2026
EXPIRATION DATE	August 5, 2027	LABORATORY	Eurofins Scientific, Lancaster, PA
ANALYTICAL METHODS	USP <621> HPLC, ESI-MS, USP <71>, USP <85>	STORAGE CONDITIONS	2-8 C, protect from light

Identity & Potency

Parameter	Specification	Result	Status
Peptide Identity (HPLC/MS)	Conforms to Semax reference	Confirmed	PASS
Peptide Purity	>= 98.0%	99.0%	PASS
Molecular Weight (ESI-MS)	813.93 +/- 0.5 Da	813.91 Da	PASS
Assay per Actuation	Within 95-105% of label	608 mcg	PASS
Spray Content Uniformity	+/- 10% of labeled dose	Conforms	PASS
Deliverable Volume per Actuation	0.10 mL +/- 0.01 mL	0.10 mL	PASS

Sterility & Endotoxin

Parameter	Specification	Result	Status
Sterility (USP <71>)	No growth after 14 days	No growth detected	PASS
Bacterial Endotoxins (LAL)	<= 0.5 EU/mL	< 0.10 EU/mL	PASS

Heavy Metals (ICP-MS)

Element	Limit (ppm)	Result (ppm)	Status
Lead (Pb)	<= 0.5	< 0.05	PASS
Arsenic (As)	<= 1.5	< 0.08	PASS
Cadmium (Cd)	<= 0.5	< 0.03	PASS
Mercury (Hg)	<= 0.15	< 0.02	PASS

Physical Characteristics

Parameter	Specification	Result	Status
Appearance	Clear, colorless solution	Clear, colorless	**PASS**
pH	5.0 - 7.0	6.1	**PASS**
Osmolality	250 - 350 mOsm/kg	298 mOsm/kg	**PASS**
Fill Volume	10.0 mL +/- 0.5 mL	10.1 mL	**PASS**

Dr. Rachel Nguyen, Ph.D.

Quality Control Analyst

Date: February 9, 2026

James Chen

Quality Assurance Director

Report: EF-2026-03198

SYNOGEN LABS

Certificate of Analysis

● All Specifications Met

PRODUCT NAME	Selank (TP-7 Heptapeptide)	PRODUCT CODE	SYN-SELANK
FORM	Nasal Spray, 300mcg/spray, 10mL	LOT / BATCH NO.	SYN-SEL-2026-0353
MANUFACTURE DATE	February 5, 2026	ANALYSIS DATE	February 9, 2026
EXPIRATION DATE	August 5, 2027	LABORATORY	Eurofins Scientific, Lancaster, PA
ANALYTICAL METHODS	USP <621> HPLC, ESI-MS, USP <71>, USP <85>	STORAGE CONDITIONS	2-8 C, protect from light

Identity & Potency

Parameter	Specification	Result	Status
Peptide Identity (HPLC/MS)	Conforms to Selank reference	Confirmed	PASS
Peptide Purity	>= 98.0%	98.6%	PASS
Molecular Weight (ESI-MS)	751.87 +/- 0.5 Da	751.85 Da	PASS
Assay per Actuation	Within 95-105% of label	302 mcg	PASS
Spray Content Uniformity	+/- 10% of labeled dose	Conforms	PASS
Deliverable Volume per Actuation	0.10 mL +/- 0.01 mL	0.10 mL	PASS

Sterility & Endotoxin

Parameter	Specification	Result	Status
Sterility (USP <71>)	No growth after 14 days	No growth detected	PASS
Bacterial Endotoxins (LAL)	<= 0.5 EU/mL	< 0.10 EU/mL	PASS

Heavy Metals (ICP-MS)

Element	Limit (ppm)	Result (ppm)	Status
Lead (Pb)	<= 0.5	< 0.05	PASS
Arsenic (As)	<= 1.5	< 0.08	PASS
Cadmium (Cd)	<= 0.5	< 0.03	PASS
Mercury (Hg)	<= 0.15	< 0.02	PASS

Physical Characteristics

Parameter	Specification	Result	Status
Appearance	Clear, colorless solution	Clear, colorless	**PASS**
pH	5.0 - 7.0	6.1	**PASS**
Osmolality	250 - 350 mOsm/kg	298 mOsm/kg	**PASS**
Fill Volume	10.0 mL +/- 0.5 mL	10.1 mL	**PASS**

Dr. Mark Sullivan, Ph.D.

Quality Control Analyst

Date: February 9, 2026

James Chen

Quality Assurance Director

Report: EF-2026-03199

SYNOGEN LABS

Certificate of Analysis

● All Specifications Met

PRODUCT NAME	NAD+ (Nicotinamide Adenine Dinucleotide) Nasal Spray	PRODUCT CODE	SYN-NAD-NS
FORM	Nasal Spray, 100mg/mL, 10mL	LOT / BATCH NO.	SYN-NAD-2026-0354
MANUFACTURE DATE	February 8, 2026	ANALYSIS DATE	February 12, 2026
EXPIRATION DATE	August 8, 2027	LABORATORY	Eurofins Scientific, Lancaster, PA
ANALYTICAL METHODS	USP <621> HPLC, ESI-MS, USP <71>, USP <85>	STORAGE CONDITIONS	2-8 C, protect from light

Identity & Potency

Parameter	Specification	Result	Status
Peptide Identity (HPLC/MS)	Conforms to NAD+ reference	Confirmed	PASS
Peptide Purity	>= 98.0%	99.1%	PASS
Molecular Weight (ESI-MS)	663.43 +/- 0.5 Da	663.41 Da	PASS
Assay per Actuation	Within 95-105% of label	101.3 mg/mL	PASS
Spray Content Uniformity	+/- 10% of labeled dose	Conforms	PASS
Deliverable Volume per Actuation	0.10 mL +/- 0.01 mL	0.10 mL	PASS

Sterility & Endotoxin

Parameter	Specification	Result	Status
Sterility (USP <71>)	No growth after 14 days	No growth detected	PASS
Bacterial Endotoxins (LAL)	<= 0.5 EU/mL	< 0.10 EU/mL	PASS

Heavy Metals (ICP-MS)

Element	Limit (ppm)	Result (ppm)	Status
Lead (Pb)	<= 0.5	< 0.05	PASS
Arsenic (As)	<= 1.5	< 0.08	PASS
Cadmium (Cd)	<= 0.5	< 0.03	PASS
Mercury (Hg)	<= 0.15	< 0.02	PASS

Physical Characteristics

Parameter	Specification	Result	Status
Appearance	Clear, colorless solution	Clear, colorless	**PASS**
pH	5.0 - 7.0	6.1	**PASS**
Osmolality	250 - 350 mOsm/kg	298 mOsm/kg	**PASS**
Fill Volume	10.0 mL +/- 0.5 mL	10.1 mL	**PASS**

Dr. Sarah Mitchell, Ph.D.

Quality Control Analyst

Date: February 12, 2026

James Chen

Quality Assurance Director

Report: EF-2026-03200