PRIME PEPTIDES UK

Certificate of Analysis

Semax

10 mg · Lyophilised powder

BATCH SX-10-27

PURITY · HPLC	IDENTITY · LC-MS	BATCH STATUS
≥ 99.0 %	**Confirmed**	**Released**
Threshold ≥ 98.0 %	813.9 g/mol observed	Meets specification

PRODUCT IDENTIFICATION

Product name	Semax	Strength	10 mg per vial
Chemical name	Heptapeptide ACTH (4–10) analogue	Physical form	Lyophilised powder
CAS number	80714-61-0	Container	3 mL glass vial, flip-off seal
Molecular formula	$C_{37}H_{51}N_9O_{10}S$	Manufactured	Oct 2026
Molecular weight	813.9 g/mol	Retest / expiry	Oct 2028
Sequence · 7 aa	Met-Glu-His-Phe-Pro-Gly-Pro		

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT	STATUS
Appearance	Visual	White / off-white lyophilised powder	**White powder**	✔ Pass
Identity	LC-MS (ESI)	Mass consistent with $C_{37}H_{51}N_9O_{10}S$	**Conforms**	✔ Pass
Purity	RP-HPLC, 220 nm	≥ 98.0 %	**≥ 99.0 %**	✔ Pass
Net content	Gravimetric	10 mg per vial, ± 5 %	**Conforms**	✔ Pass
Counter-ion	TFA residual	≤ 1.0 %	**Conforms**	✔ Pass

STORAGE & HANDLING

Lyophilised powder
Store refrigerated at 2–8 °C. For long-term storage keep at −20 °C.

Light & moisture
Protect from light. Keep the vial sealed until reconstitution.

Reconstituted solution
Store at 2–8 °C and avoid repeated freeze–thaw cycles.

Conclusion. The product has been tested and complies with the specifications stated above.

For research use only. This product is supplied strictly for in-vitro laboratory research. Not for human or veterinary use, not a drug, food, cosmetic or medical device. Keep out of reach of children.

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