PRIME PEPTIDES UK

Certificate of Analysis

Melanotan-2

10 mg · Lyophilised powder

BATCH MT2-10-20

PURITY · HPLC	IDENTITY · LC-MS	BATCH STATUS
≥ 99.0 %	**Confirmed**	**Released**
Threshold ≥ 98.0 %	1024.2 g/mol observed	Meets specification

PRODUCT IDENTIFICATION

Product name	**Melanotan-2**	Strength	**10 mg per vial**
Chemical name	**Cyclic heptapeptide α-MSH analogue**	Physical form	**Lyophilised powder**
CAS number	**121062-08-6**	Container	**3 mL glass vial, flip-off seal**
Molecular formula	**$C_{50}H_{69}N_{15}O_9$**	Manufactured	**Oct 2026**
Molecular weight	**1024.2 g/mol**	Retest / expiry	**Oct 2028**
Sequence · 7 aa	**Ac-Nle-cyclo[Asp-His-D-Phe-Arg-Trp-Lys]-NH_2**		

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT	STATUS
Appearance	Visual	White / off-white lyophilised powder	**White powder**	✔ Pass
Identity	LC-MS (ESI)	Mass consistent with $C_{50}H_{69}N_{15}O_9$	**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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