Mainpeaks
INDEPENDENT ANALYSIS FOR RESEARCH PEPTIDES

CERTIFICATE OF ANALYSIS

MP-4AKJ-X73Q

MAINPEAKS REPORT NUMBER

RECEIVED
5 October 2026

ISSUED
20 October 2026

VERSION
1

PURITY BY AREA, LABORATORY INTEGRATION
99.75 %
Main peak over every peak, whole run.

MEASURED CONTENT
20.71 mg
0 — 20.00 mg declared = 100 %
Recovery 103.60 % of the declared content.

SAFETY

STERILITY
No growth
USP <71> 14 days

ENDOTOXIN
0.19 EU/mg
USP <85>, spike recovery 99%.

THE SAMPLE, AS DECLARED BY THE CLIENT

COMPOUND
MOTS-C
20.00 mg declared

CLIENT
Pepvida

PACKAGE
Purity and content + Endotoxin + Sterility

LOT OR BATCH
Not applicable
This certificate covers this one vial only.

CONDITION ON ARRIVAL
✓ Intact, seal unbroken



As received, 5 October

RESULTS

TEST	SPECIFICATION	RESULT	STATUS
ANALYSIS			
Purity, by area (laboratory)	No threshold set	99.75 %	✓ Pass
Content, per vial	No threshold set	20.71 mg	✓ Pass
Identity	Matches the declaration	Retention time match	✓ Pass
SAFETY			
Sterility	No growth	No growth	✓ Pass
Endotoxin, USP <85>	No limit stated	0.19 EU/mg	✓ Pass

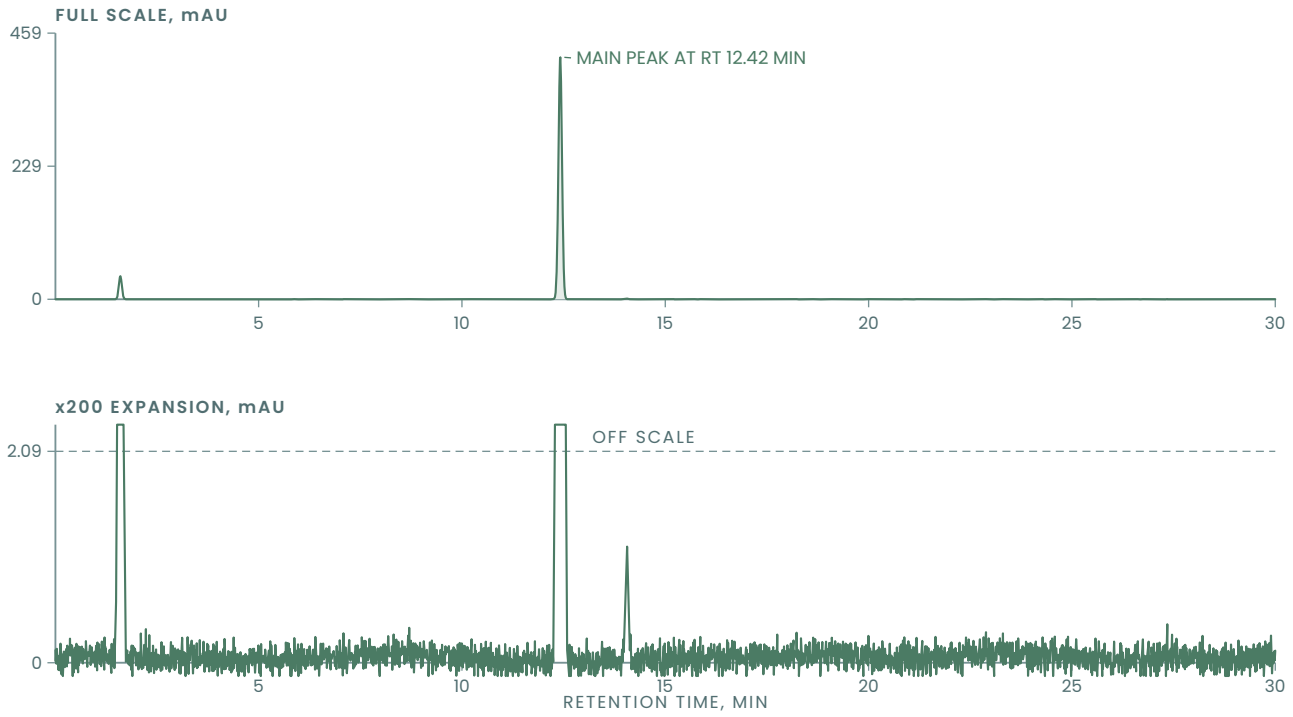
Tests performed: HPLC purity and content, identity, bacterial endotoxins (USP <85>) and sterility (USP <71>). No other test was part of this order.

VERIFY THIS CERTIFICATE

https://mainpeaks.com/v/MP-4AKJ-X73Q

Scan the code, or type the report number at mainpeaks.com. Anyone can check this certificate without an account, and the register answers for every report Mainpeaks issues, whatever it says.

CHROMATOGRAM



PEAKS INTEGRATED FROM THE TRACE ABOVE

PEAK	RETENTION, MIN	AREA, mAU.MIN	AREA PERCENT	
1	12.42	44.533	99.76	MAIN PEAK
2	14.05	0.106	0.24	

METHOD

HPLC with UV detection at 214 nm. Column C18 4.6 x 150 mm 5 um. Mobile phase 0.1% TFA water / 0.1% TFA ACN. Method reference held on file, partner laboratory. Purity is the laboratory's own area normalisation: the main peak as a percentage of every peak they integrated over the whole run, recorded on a worksheet signed by their analyst. The trace above is the same run integrated independently by Mainpeaks from 2 min, after the solvent front, so its peak table can differ slightly from the reported figure. Content was measured against a working standard of the compound. How its potency was assigned was not recorded. Bacterial endotoxins by USP <85> kinetic, reported in EU/mg. Spike (positive product control) recovery 99%, within the 50 to 200% the method requires, so the sample did not mask endotoxin. Sterility by USP <71> 14 days, on the vials tested.

IDENTITY BASIS

The main peak elutes at the retention time of a reference standard of the declared compound. Molecular mass was not measured, so a different compound eluting at the same time would not be distinguished.

WHAT THIS CERTIFICATE COVERS, AND WHAT IT DOES NOT

This certificate covers the single vial received under this report number and nothing else. Mainpeaks cannot witness how the vial travelled from wherever it was made to the post, so the client named above is printed as they stated it and is not verified by us, and no claim is made about any other unit or batch. The figures above are measurements, not a licence, an endorsement or a recommendation for any use. Research use only. Not for human or veterinary use.

NOTES AND METHODOLOGY

1. Mainpeaks is not a laboratory. Mainpeaks owns no instruments and employs no chemists. The analysis reported here was performed by an independent partner laboratory under a service agreement, and Mainpeaks issues this certificate on the basis of the data that laboratory returned. Mainpeaks holds no accreditation and claims none.
2. Purity is the partner laboratory's HPLC area normalisation at 214 nm: the main peak as a percentage of the total area of every peak they integrated over the whole run, as recorded on a worksheet signed by their analyst. The chromatogram printed on page two is the same run integrated independently by Mainpeaks from 2 min, after the solvent front, and its peak table can differ slightly from the laboratory's. It is not a mass purity and is not corrected for counter ion or residual water, and anything that does not absorb at the detection wavelength is invisible to it.
3. For purity and for content, Pass means the measurement was made and the figure printed beside it is the result. No acceptance threshold is applied to either, because no pharmacopoeial monograph sets one for these compounds, so the figure itself is what to read: Mainpeaks measures and reports, and does not decide which purity or content is acceptable. Identity is a finding about whether the declared compound is present, sterility is pass or fail by its own definition, endotoxin is judged against the limit the submitter stated on the order where one was stated, and elemental impurities against published compendial limits.
4. Sterility and endotoxin are the only results judged against a limit, where they appear. Sterility is pass or fail by its own definition. Endotoxin is judged against a limit the customer states on the order, which is printed beside the result and attributed to them, never against a limit Mainpeaks has chosen; with no limit stated, it is measured and reported.
5. The vial carried no lot or batch number. It is identified by this report number, the photograph on page one. Without a lot there is no batch for a result to describe, so this certificate applies to the one vial received and cannot be taken to represent any other vial, including others from the same source that look the same.
6. Compound, lot and declared content are as stated by the party who submitted the vial. Mainpeaks has not independently verified any of them, and cannot witness how the vial travelled from wherever it was filled to the post. The measurements are ours; the declarations are theirs, and the certificate marks which is which throughout.
7. The complete integration table, every peak the software resolved, is printed beside the chromatogram on page two and is also served on the verification address, so the reported purity can be recomputed from it by hand.
8. This certificate covers the single vial received under this report number and nothing else. It says nothing about any other unit, any other batch, or the process that made them. It is not a licence, an endorsement or a recommendation for any use. Research use only. Not for human or veterinary use.
9. This certificate is issued electronically and is valid without a signature. Its authenticity is established only by the public register at the verification address on page one, which answers for every report number Mainpeaks issues, whatever it says. A corrected certificate never overwrites the one it replaces: the original number keeps resolving and states that it was superseded.

ATTRIBUTION

ANALYSED BY

Dr. J. Vance
Partner laboratory analyst. Not the issuer.

ISSUED BY

Mainpeaks

Issued 20 October 2026
Issued electronically. Authenticity is established by the public register.