

CERTIFICATE OF ANALYSIS

| Product Name | HPA3NT3-A2 peptide, Cat.# 318933 (TFA removed) | | | |
|---|--|-----------------------------------|--|--|
| Lot No. | MTFA30119-3-0504 | | | |
| Sequence | AKRLKKLAKKIWKWK-NH2 | | | |
| Dissolution condition | 100%H2O | | | |
| Length | 15AA | | | |
| Modification | acetate salt | | | |
| Molecular Weight (MW) | 1924.48 | | | |
| Storage | -20°C | | | |
| | | | | |
| Test Items | Specifications | Results | | |
| Test Items MW by MS | Specifications 1923.84 | Results Conforms | | |
| | - | | | |
| MW by MS | 1923.84 | Conforms | | |
| MW by MS Purity by HPLC | 1923.84 >95% | Conforms 96.001% | | |
| MW by MS Purity by HPLC Peptide Content | 1923.84 >95% N/A | Conforms 96.001% N/A | | |
| MW by MS Purity by HPLC Peptide Content Moisture content | 1923.84 >95% N/A N/A | Conforms 96.001% N/A N/A | | |

NovoPro Bioscience Inc. (hereafter NovoPro) warrants material of said quality at the time of sale. It is the sole responsibility of the customers to determine the adequacy of all materials for any intended or specific purpose or use. NovoPro's sole obligation is to replace the material up to the extent of the purchase price. This warranty applies only to products in original packaging and does not apply to a product which has been tampered with or altered in any way in or which has been misused or damaged by accident or negligence. All claims must be received writing (by fax or email) within 30 days from date when product arrive at the destination city and failure to do so shall constitute a waiver by customers for any and all such claims.

Certified by:

Quality Assurance Department

May/24/2023

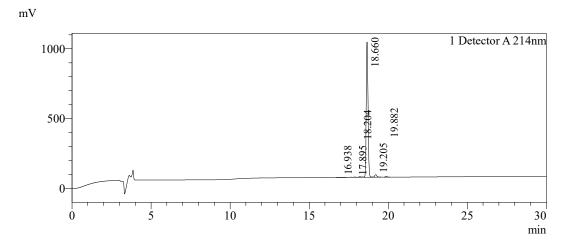




Sample Information

| Order ID | :MTFA30119-3 | | | | |
|-----------------------|---|--------|-------|--|--|
| Name | :HPA3NT3-A2 peptide | | | | |
| Sequence | :AKRLKKLAKKIWKWK-NH2(Acetate Salt) | | | | |
| Lot. No | :MTFA30119-3-0504 | | | | |
| Pump A | :0.1%Trifluoroacetic in 100% water | | | | |
| Pump B | :0.1%Trifluoroacetic in 100% acetonitrile | | | | |
| Total Flow | :1ml/min | | | | |
| Wavelength | :214nm | | | | |
| Analytial column type | | | | | |
| Dissolution method | :100%H2O | | | | |
| Inj. Volume | : 12ul | | | | |
| Time | Module | Action | Value | | |
| 0.01 | Pumps | B.Conc | 15 | | |
| 30.00 | Pumps | B.Conc | 45 | | |
| 33.00 | Pumps | B.Conc | 100 | | |
| 38.00 | Pumps | B.Conc | 100 | | |
| 40.00 | Pumps | B.Conc | 15 | | |
| 50.00 | Controller | Stop | | | |

Chromatogram



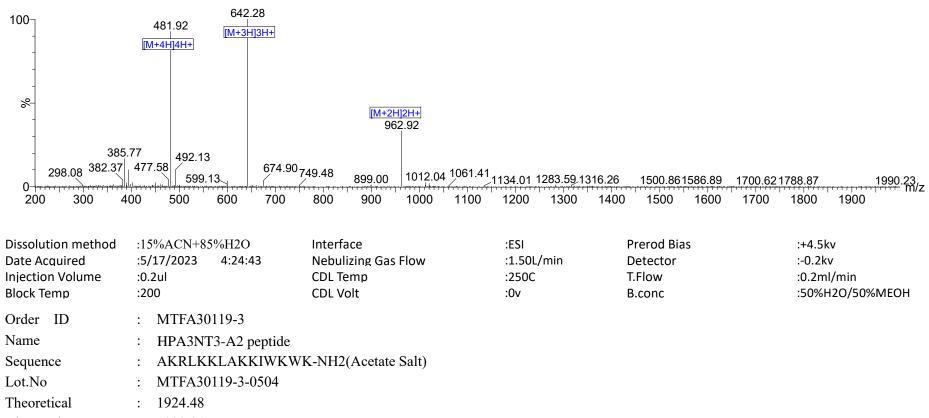
Peak Table

| Detector A 21 | <u>4nm</u> | | | |
|---------------|------------|---------|--------|---------|
| Peak# | Ret. Time | Area | Height | Area% |
| 1 | 16.938 | 10086 | 800 | 0.128 |
| 2 | 17.895 | 30860 | 2559 | 0.392 |
| 3 | 18.204 | 54897 | 4090 | 0.698 |
| 4 | 18.660 | 7555203 | 967163 | 96.001 |
| 5 | 19.205 | 185756 | 17916 | 2.360 |
| 6 | 19.882 | 33103 | 4632 | 0.421 |
| Total | | 7869906 | 997160 | 100.000 |



MS Spectrum

Positive Intensity



Observed : 1923.84