

Certificate of Analysis

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| Item No. | 130012 |
| Batch No. | 20170609 |
| Quantity: | 500g |
| Manufacturing Date: | Jun.09, 2017 |
| Expiry Date | Jun.08, 2019 |
| Date of Analysis: | Jun.10, 2017 |

SpecPed® PP4P (Palmitoyl Pentapeptide-4(Pal-KTTKS))

| Items | Standards | Results |
|--------------------------|------------------------|----------|
| Appearance | White powder | Complies |
| Identity by MS | 802±1 | 802.5 |
| Peptide purity (HPLC) | Not less than 95.0% | 99.42 % |
| Related substance (HPLC) | Total impurities ≤5.0% | 0.58% |
| | Largest single ≤2.0% | Complies |
| Amino acid analysis | ±10 % of theoretical | Complies |
| Water Content (K.F) | ≤7.0% | 4.30% |
| Conclusion | Conforms to standard | Complies |

Q.C:YangHua

Inspector: Lois Lou