

CERTIFICATE OF ANALYSIS

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|--------------|--|---------------|---------------------|
| Product Name | Vitamin K2(Menaquinone-7)1.0% in Microcrystalline Cellulose(MCC) | Batch No | PY-VK20210412 |
| Quantity | 500KG | Analysis Date | Apr.15,2021 |
| Mfg. Date | Apr.12,2021 | Exp. Date | Apr.11,2023 |
| Package | 10kg/Drum | Standard | Enterprise Standard |

| No. | Item | Specification | Result |
|-----|-----------------------|-----------------------------------|-----------------|
| 1. | Appearance | Yellow powder | Complies |
| 2. | Assay (by HPLC) | Menaquinone-7 \geq 1.0% | 1.12% |
| 3. | PH | 5.5~7 | 6.1 |
| 4. | MK-7 Melting Point | 53~54 $^{\circ}$ C | 53 $^{\circ}$ C |
| 5. | Condition | No offensive taste and smell | Complies |
| 6. | Loss on Drying | 2.0~5.0% | 3.7% |
| 7. | Residue on Ignition | \leq 0.05% | 0.01% |
| 8. | Starch | Negative | Negative |
| 9. | Heavy Metals | \leq 10ppm | <10ppm |
| 10. | Pb | \leq 2.0ppm | <2.0ppm |
| 11. | As | \leq 2.0ppm | <2.0ppm |
| 12. | Cd | \leq 0.3ppm | <0.1ppm |
| 13. | Hg | \leq 0.1ppm | <0.1ppm |
| 14. | Pesticides Residue | Negative | Negative |
| 15. | Ethanol | \leq 500ppm | 230ppm |
| 16. | Total Plate Count | \leq 1,000cfu/g | <10cfu/g |
| 17. | Yeasts & Molds | \leq 50cfu/g | <10cfu/g |
| 18. | E.Coli | Negative | Negative |
| 19. | Salmonella SP. | Negative | Negative |
| 20. | Aureus Staphylococcus | Negative | Negative |
| 21. | Conclusion | Conform with Enterprise Standard. | |

Analyst: xuli

QC: lixiaochen