

CERTIFICATE OF ANALYSIS

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|--------------|---------------|---------------|--------------------------|
| Product Name | Rutin | Latin Name | <i>Sophorae Japonica</i> |
| Batch No | PY-RU20201120 | Used Part | Flower |
| Quantity | 1000KG | Analysis Date | Nov.23,2020 |
| Mfg. Date | Nov.20,2020 | Exp. Date | Nov.19,2022 |

| No. | Item | Specification | Result |
|--|-------------------------------|---|-------------|
| 1. | Appearance | Tasteless,yellow-green powder contains small aciculae,heat to 185°C-190°C can be transferred to plastic nature,and it will be decomposing at 215°C | Complies |
| 2. | Solibility | 1g sample soluble in 1000ml water,650ml ethanol,200ml boiling water,60ml boiling ethanol;soluble in isopropyl alcohol and methyl alcohol;freely soluble in pyridine and hydroxide solution;practically insoluble in trichloromathane,ether and benzene. | Complies |
| 3. | Identification | NF 11 A.B.C.D.E(will be attached if necessary) | Complies |
| 4. | Loss on drying | 5.5-9.0% | 6.52% |
| 5. | Residue on Ignition | ≤0.5% | 0.13% |
| 6. | Rutin aglycones | ≤5.0% | <5.0% |
| 7. | Chlorophyll and Haematochrome | ≤0.004% | Complies |
| 8. | Erythrophyll | ≤0.004% | Complies |
| 9. | Assay(by UV) | ≥95% | 98.91% |
| 10. | Heavy Metals | ≤20ppm | <20ppm |
| 11. | Total Plate Count | ≤1,000cfu/g | <1,000cfu/g |
| 12. | Yeasts & Molds | ≤100cfu/g | <100cfu/g |
| 13. | E.Coli | Negative | Negative |
| 14. | Salmonella | Negative | Negative |
| 15. | Staph.aureus | Negative | Negative |
| NON-IRRADIATED/NON-GMO/BSE FREE | | | |
| Store in well-closed container at room temperature, protect from light, moisture and pest infestation. | | | |
| Conclusion: Conform with NF11 specification. | | | |

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