



XI'AN HARMONIOUS NATURAL BIO-TECH CO.,LTD

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Certificate of Analysis

Product Name: Hydroxychloroquine sulfate

Batch No.:HNB20210502

Batch Quantity: 500kg

Manufacture Date: Apr.,2nd,2021

Analysis Date: Apr.,4th,2021

Certificate Date: Apr.,5th,2023

Storage: Store in cool & dry place. Store in well-closed containers.

Shelf life: 2 years when properly stored.

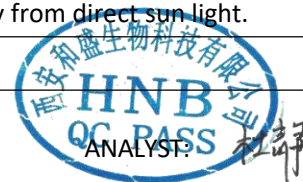
| Items | | Specified | Results |
|------------------------------|--------------------------------|---|--------------------------|
| Appearance | | White Crystalline Powder, soluble in water, almost insoluble in alcohol, chloroform and diethyl ether | White Crystalline Powder |
| ID | Maximum UV absorption | Maximum UV absorption wavelength is at 257nm,329nm and 343nm respectively. | Conforms |
| | IR | Conform to reference substance | Conforms |
| | Sulpahte identification | Positive | Positive |
| Loss on Drying | | ≤2.0% | 0.13% |
| pH | | 3.5—4.5 | 4.2 |
| Mesh size | | 80mesh | Conforms |
| Ordinary Impurities | | ≤1.0% | Conforms |
| Methylene dichloride | | ≤0.06% | 0.004% |
| Ethnol | | ≤0.5% | 0.4% |
| Assay(on dried basis) | | 98.0% - 102.0% | 99.3% |
| Bacteria | | ≤1000 cfu/g | 10 cfu/g |
| Mold and Yeast | | ≤100cfu/g | ≤10 cfu/g |
| E.coli | | Absent | Absent |
| Live mite | | Absent | Absent |
| Packing & Storage | | Packed in paper-drums and two plastic-bags inside. Net weight:25kg. | |
| Shelf Life | | Two years if sealed and store away from direct sun light. | |
| Conclusion | | Conforms With USP 38 | |

QC MANAGER:

王翠丹

INSPECTOR:

杨恩远



ANALYST: 杜静