



武汉普世达生物科技有限公司
Wuhan Pushida Biotechnology Co., Ltd

CERTIFICATE OF ANALYSIS

Turmeric Extract 95% Powder
Botanical Name Curcuma longa L
Batch No. CP2409017
Production Date 22 September 2024
Expiry Date 21 September 2026
Country of Origin China
Report Date 29 September 2024

| Item | Standard | Result | Method |
|------------------------|--------------------------------|--------------|-------------------|
| Identification | TLC Test | Positive | TLC |
| Content | | | |
| Total Curcuminoids | 95.00% min | 95.18% | HPLC |
| Curcumin | | 66.86% | |
| Demethoxycurcumin | | 12.19% | |
| Bisdemethoxycurcumin | | 16.13% | |
| Description | | | |
| Appearance | Orange yellow to yellow powder | Complies | Visual |
| Odor&Taste | Characteristic | Complies | Organoleptic |
| Plant Part Used | Rhizome | Complies | Visual |
| Extract Solvent | Ethanol & Ethyl acetate | Complies | Visual |
| Inspection | | | |
| Particle Size | 95.00% through 80 meshes | 99.18% | US#80 Sieve |
| Bulk Density | 0.20-0.50 g/ml | 0.37g/ml | USP38 -NF33<616> |
| Tapped Density | 0.30-0.80 g/ml | 0.66g/ml | USP38-NF33<616> |
| Loss on Drying | 2.00% max | 0.33% | USP38 -NF33<731> |
| Ash | 1.00% max | 0.04% | USP38 -NF33<561> |
| Lead (Pb) | 0.50 mg/kg max | 0.11mg/kg | Atomic Absorption |
| Arsenic (As) | 1.00 mg/kg max | 0.03mg/kg | Atomic Absorption |
| Cadmium (Cd) | 0.50 mg/kg max | 0.002mg/kg | Atomic Absorption |
| Mercury (Hg) | 0.10 mg/kg max | Not Detected | Atomic Absorption |
| Solvents Residue | USP Standard | Complies | USP38 -NF33<467> |
| Pesticides Residue | USP Standard | Complies | USP38 -NF33<561> |
| Microbiological Insp. | | | |
| Total Bacterial Count | 1,000 cfu/g max | 10 cfu/g | USP38 -NF33<2021> |
| Total Yeasts and Molds | 100 cfu/g max | <10 cfu/g | USP38 -NF33<2021> |
| Staphylococcus Aureus | Negative | Not Detected | USP38 -NF33<2022> |
| Salmonella | Negative | Not Detected | USP38 -NF33<2022> |
| E. Coli | Negative | Not Detected | USP38 -NF33<2022> |

Inspector (QC) : Yin Xiao Checker:Li Sen Director: Chen
Store in a well closed container at room temperature
Away from Moisture and Sun Light.

