

**KS**

Nutripharma

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## Certificate of Analysis

|                                                                                       |                            |                       |                             |
|---------------------------------------------------------------------------------------|----------------------------|-----------------------|-----------------------------|
| <b>Product Name</b>                                                                   | Apple cider vinegar powder | <b>Latin Name</b>     | Malus pumila Mill           |
| <b>Origin</b>                                                                         | P.R.China                  | <b>Carrier</b>        | Maltodextrin from corn      |
| <b>Used Part</b>                                                                      | Fruit                      | <b>Batch Quantity</b> | 2000 KG                     |
| <b>Batch Number</b>                                                                   | 20210310                   |                       |                             |
| <b>Expiry date</b>                                                                    | 24 Months                  |                       |                             |
| <b>Item</b>                                                                           | <b>Acceptance criteria</b> | <b>Result</b>         | <b>Analytical procedure</b> |
| <b>Description</b>                                                                    |                            |                       |                             |
| Appearance                                                                            | Fine Powder                | Confirms              | Visual                      |
| Color                                                                                 | off-white powder           | Confirms              | Visual                      |
| Odor & Taste                                                                          | Characteristic             | Confirms              | Sensory                     |
| <b>Specification</b>                                                                  |                            |                       |                             |
| Total acid(in acetic acid                                                             | ≥5.00%                     | 5.61%                 | Acid-base titration         |
| <b>Physicochemical Control</b>                                                        |                            |                       |                             |
| pH                                                                                    | 2.9-3.9                    | 3.2                   | CP 2015                     |
| Loss on Drying                                                                        | ≤5.00%                     | 3.53%                 | CP 2015                     |
| Sieve Analysis                                                                        | NLT100% through 80 mesh    | Confirms              | Mesh Sieve meter            |
| <b>Heavy Metals</b>                                                                   | < 10ppm                    | ND                    | CP 2015                     |
| As                                                                                    | ≤2ppm                      | ND                    | CP 2015                     |
| Pb                                                                                    | ≤2ppm                      | ND                    | CP 2015                     |
| Cd                                                                                    | < 1ppm                     | ND                    | CP 2015                     |
| Hg                                                                                    | < 1ppm                     | ND                    | CP 2015                     |
| <b>Microbiological Control</b>                                                        |                            |                       |                             |
| Total Plate CFU/g                                                                     | < 1000                     | < 1                   | CP 2015                     |
| Yeast & Mold CFU/g                                                                    | < 100                      | < 1                   | CP 2015                     |
| Coliforms CFU/g                                                                       | < 500                      | < 1                   | CP 2015                     |
| E. Coli /g                                                                            | Negative                   | ND                    | CP 2015                     |
| Salmonella /10g                                                                       | Negative                   | ND                    | CP 2015                     |
| S.aureus /g                                                                           | Negative                   | ND                    | CP 2015                     |
| <b>Pesticides</b>                                                                     | Meet USP 561               | Confirms              | CP 2015                     |
| <b>Non-GMO</b>                                                                        |                            |                       |                             |
| <b>Non-irradiated</b>                                                                 |                            |                       |                             |
| <b>Conclusion: Meet the standard requirement</b>                                      |                            |                       |                             |
| <b>Storage:</b> Closed container. Dry & cool. Keep away from moisture & strong light. |                            |                       |                             |

