



西安菲斯弗生物科技有限公司

Xi'an Faithful Biological Technology Co., Ltd.

## Certificate of Analysis-Tauroursodeoxycholic Acid

CAS: 14605-22-2

Batch Number: *FTF0240526* Batch Quantity: 100kg

Manufacture Date: May.24<sup>th</sup>,2024 Analysis Date: May.25<sup>th</sup>,2024 Certificate Date: May.26<sup>th</sup>,2024

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

Shelf life 3 years when properly stored.

| Test items                | Specifications   | Results   |
|---------------------------|--|-----------|
| Appearance                | White or almost white powder   | Confirmed |
| Rotation                  | +58.0°~+62.0°  | +59.6°    |
| Melting Point             | M.P about 202°C  | 203°C     |
| Identification            |  |           |
|                           | Comparable IR absorption with the reference  | Confirmed |
| Tauroursodeoxycholic Acid | The spot is similar in position, color and size with the reference spot  | Confirmed |
|                           | Blue-green precipitate occurs  | Confirmed |
| Related Substance (TLC)   | Lithocholic Acid: $\leq 0.1\%$<br>Chenodeoxycholic Acid: $\leq 1.0\%$<br>Cholic Acid: $\leq 0.5\%$<br>Any other single impurity: $\leq 0.25\%$ | 0.003%    |
| Sulphated Ash             | $\leq 0.1\%$   | 0.06%     |
| Loss on Drying            | $\leq 1.0\%$   | 0.15%     |
| Heavy Metals(PPM)         | $\leq 10.0\text{PPM}$  | Confirmed |
| (TUDCA) Assay             | 99.0%~101.0%   | 99.6%     |

**Conclusion:** Conform with enterprise specification .

QC MANAGER: 刘娟 INSPECTOR: 黄子烨

