# TEST REPORT

## Report Number: GYC24061823A-EN

Sponsor Name: Suzhou Cosing Biotechnology Co., Ltd

Sample Name: Centrifuge Tubes

Test Type: Commission Test

**EPINTEK Guiyang Ltd.**

# Statements

1. The report is invalid without the special seal for test report of the test institution.
2. In addition to the full copy, the report shall not be partially reproduced without the written approval of the test institution.
3. The reproduced report is invalid without the special seal for test report of the test institution.
4. The report is invalid without the signature of the approver.
5. The report is invalid in case any altered content included.
6. Any objection to the report shall be submitted in writing to the test institution within 15 days from the date of receiving the report, and the delay will not be accepted.
7. The reported results are only applicable to the articles tested.
8. The sponsor shall be responsible for the authenticity of the articles and information entrusted.

Institution Name: EPINTEK Guiyang Ltd.

Facility Address 1: No. 1, Floor 4, Building 16, 18, No.7888, Tongcheng Road, Baiyun District, Guiyang City, Guizhou province, China

Website: www.epintek.com

Telephone: 0851-84614538

Postal Code: 550016

# Test Report Home Page

| | | | |
|---|---|---|---|
| Sample Name | Centrifuge Tubes | Sample No. | GYC24061823A |
| Sponsor Name | Suzhou Cosing Biotechnology Co., Ltd | | |
| Sponsor Address | 508 Youming Road, Wujiang District, Suzhou City, Jiangsu Province, China | | |
| Contact Name | Jiang HongChun | Contact Information | 18994426757, jianghongchun@haier.com |
| Manufacturer/ Factory | Manufacturer: Suzhou Cosing Biotechnology Co., Ltd | | |
| Test Type | Commission Test | Lot Batch#/Serial Number | Lot Batch# : 13024121 |
| Sample Quantity | 4 per model | Model/Dimension | 15 mL and 50 mL |
| Received Date | 2024-06-17 | Test Date | 2024-06-22~2024-07-02 |
| Test Items | Anthraquinone Residue | | |
| Standard | Technical requirement | | |
| Conclusion | Under the condition of this test, the anthraquinone residue of the tested sample is not detected, the Detection Limit of Anthraquinone is 0.03 μg/mL.<br><br>（Stamp for Test Report）<br><br>Issued Date: | | |
| Notes | “NA” means “not applicable”, “ / ”means “ blank ”. | | |

Drafted by: Samall Liu
Authorized Engineer

Reviewed by: Selena Shi
Authorized Reviewer
Approved by: Karl Zhang
Authorized Signatory

# Test Report Data Page

| No. | Item | Standard | Acceptance Criteria | Results | | Conclusion |
|---|---|---|---|---|---|---|
| 1 | Anthraquinone Residue | Technical requirement | / | 15 mL | ND | / |
| | | | | 50 mL | ND | |
| Notes : 1.ND means not detected, the Detection Limit of Anthraquinone is 0.03 μg/mL.<br>2.See the attachment 1 for details of test process. | | | | | | |
| Following Blank | | | | | | |

## Changes and Deviations

No changes or deviations are involved in this study.

# Picture of Sample

| Picture and Description |
| --- |
|   |
| Sample description |
| Physical State: Solid |

# Attachment 1

# 1. TEST MATERIAL

## 1.1. Main Instruments

Table 1 Main Instruments

| Name | Model | No. | Calibration Due Date |
|---|---|---|---|
| Electronic Balance | XSR105DU/A | EPMB-012 | July 16, 2024 |
| HPLC | 1260 Infinity II | EPMB-102 | Feb.17, 2026 |

## 1.2. Main Regents

Table 2 Main Regents

| Name | Size | Lot | Manufacturers |
|---|---|---|---|
| Methanol | 4L/bottle | 24015005 | TEDIA |

# 2. TEST PROCESS

## 2.1. Chromatographic conditions

Chromatography column: Diamonsil C18, 250 mm * 4.6 mm * 5 μm;

Mobile phase: Methanol (70): Water (30);

Flow rate: 1.0 mL/min;

Injection volume: 10 μL;

Column temperature: 30°C;

Wavelength: 254 nm.

## 2.2. Solution preparation

The anthraquinone standard stock solution (0.2216 mg/mL) was taken and diluted with methanol into five standard solutions, recorded as STD-1, STD-2, STD-3, STD-4 and STD-5. The standard solution concentration is shown in Table 3:

Table 3 Concentrations of Standard Curve

| No. | STD-1 | STD-2 | STD-3 | STD-4 | STD-5 |
|---|---|---|---|---|---|
| Concentration（μg/mL） | 1.108 | 5.540 | 11.08 | 22.16 | 44.32 |

## 2.3. Sample Test

### 2.3.1. Preparation of Test Solution

Take one sample, add Grade 1 water at a ratio of 10 cm²/mL according to the surface area of the container. Add 2.5 mL of water into 15 mL Centrifuge Tube and 9.0 mL of water into 50 mL Centrifuge Tube, gently shake the medium for 10 times, make sure the medium cover the inner wall of the container, stand for 2 minutes, and then shake the medium 10 times, let the extraction medium fully wash the inner wall of the centrifuge tube, and the extract solution is used as the test solution. Test the solution within 2h after it was prepared. Grade 1 water was taken as the blank control solution.

### 2.3.2. Determination of Anthraquinone Residue

Test the standard curve solution, test solution and the blank control solution under the instrument conditions described in section 2.1. Record the peak area of anthraquinone, and the corresponding concentration of the sample was calculated based on the standard curve.

### 2.3.3.Test Result

Table 4 Results of Standard curve

| No. | STD-1 | STD-2 | STD-3 | STD-4 | STD-5 |
|---|---|---|---|---|---|
| Concentration（μg/mL） | 1.108 | 5.540 | 11.08 | 22.16 | 44.32 |
| peak area | 123.698 | 528.307 | 1189.879 | 2704.967 | 5298.617 |
| Standdard curve | y=121.02561x-57.64292 | | Correlation coefficent R=0.9993 | | |

Table 5 Results of Anthraquinone residue

| No. | Extraction Number(Pc) | Extraction Volume(mL) | Test result（μg/mL） | Average value（μg/mL） |
|---|---|---|---|---|
| Sample 1 (15 mL) | 1 | 2.5 | ND | |
| Sample 2 (15 mL) | 1 | 2.5 | ND | ND |
| Sample 3 (15 mL) | 1 | 2.5 | ND | |
| Sample 1 (50 mL) | 1 | 9.0 | ND | |
| Sample 2 (50 mL) | 1 | 9.0 | ND | ND |
| Sample 3 (50 mL) | 1 | 9.0 | ND | |

Note: ND means not detected, the Detection Limit of Anthraquinone is 0.03 μg/mL.

# 3. Guide

[1]USP<621> CHROMATOGRAPHY

[2]Technical requirement

……End of the Report……