

# NANYANG LIBANG PHARMACEUTICAL CO., LTD.

## CERTIFICATE OF ANALYSIS

BATCH NO: 20170901

MFG. DATE: 20170905 EXPIRY DATE: 20220904

PRODUCER: Nanyang Libang Pharmaceutical Co., Ltd.

PRODUCT: Sodium Camphorsulphonate

QUANTITY: 500KG

TEST RESULT: Come up to standard BPC49

Characteristics: White or off-white crystalline powder

Solubility: Soluble in water

Identification Tests:

A: Meet the requirements of standard

B: Meet the requirements of standard

C: Meet the requirements of standard

Reaction: Meet the requirements of standard

PH: 7.2

Specific rotation: +18.4° (Standard: Not less than +18° )

Arsenic: <0.0002% ( Standard: Not more than 2 parts per million)

Lead: <0.001% ( Standard: Not more than 10 parts per million)

Chloride: Meet the requirements of standard (standard: ≤0.0355%)

Sulphate: Meet the requirements of standard (standard: ≤0.12%)

Clarity of solution: Meet the requirements of standard

Loss on drying: 0.7% (standard: not more than 5%)

Sulphated ash: 27.8% (standard: 27.5-29.0%)

Assay: It contains 99.4% of  $C_{10}H_{15}NaO_3S$  calculated on the dried basis.

Standard: 98.0%-101.0%)

Analyst: Gao Chunqin

Checker: Zhu Ting

Supervisor: Yuan Jie

Nº DE CONTROLE INTERNO:

1467 / 17

LABORATÓRIO IBASA

