



財團法人全國認證基金會
Taiwan Accreditation Foundation

Certificate of Accreditation

(Certificate No : L0580-251230)

This is to certify that

San Fu Chemical Co., Ltd.

Quality Control Laboratory, San-Fu Chemical

No. 340, Xiaoxinying, Xiaoxin Vil., Shanhua Dist., Tainan City 741007, Taiwan

is accredited in respect of laboratory

Accreditation Criteria : ISO/IEC 17025:2017 ; CNS 17025:2018

Accreditation Number : 0580

Originally Accredited : October 15, 1999

Effective Period : December 30, 2025 to December 29, 2028

Accredited Scope : Testing Field, see described in the Appendix

Yi-Ling Chen



Scan to verify

Yi-Ling Chen
President, Taiwan Accreditation Foundation
December 30, 2025

Accreditation Number : 0580

Laboratory Head : HSIAO, Shu-chuan

▼ 26. 01 Chemical Reagent

Para-Hydroxybenzoic Acid(LCP), Methylparaben(MP), Propylparaben(PP), Benzoic Acid(BAF-S)

C008 Residue on Ignition

The United States Pharmacopoeia(48), Guide to General Chapters, Chemical Tests and Assay <281>Residue on Ignition

Para-Hydroxybenzoic Acid(LCP) : (0.001 to 0.5)%

Methylparaben(MP) : (0.01 to 0.5)%

Propylparaben(PP) : (0.01 to 0.5)%

Benzoic Acid(BAF-S) : (0.01 to 0.5)%

Approval Signatory:SHEN, Yun-Chen; SHU, Chia-Chun; CHEN, Szu-Yu; HSIAO, Shu-Chuan; LO, Chun-Hua

▼ 26. 01 Chemical Reagent

Stripper (70%Diethylene Glycol Monobutyl Ether+30%Monoethanolamine)

C025 Monoethanolamine

In-house Method : Stripper(BDG + MEA) composition measurement standard QS-037-0701,Refer to The United States Pharmacopoeia(USP 43, P.5836)

(10 to 70) %

Approval Signatory:SHU, Chia-Chun; CHEN, Szu-Yu; HSIAO, Shu-Chuan; LO, Chun-Hua

Testing Site : 1.No.1, Sec. 1, Huanyuan E. Rd., Liuying Dist., Tainan City

▼ 26. 01 Chemical Reagent

Propylene glycol-1-monomethyl ether-2-acetate PGMEA

C027 Density (20 °C to 25 °C)

CNS 14474 : 2000

(0.5 to 1.5) g/cm³

Approval Signatory:SHU, Chia-Chun; CHEN, Szu-Yu; HSIAO, Shu-Chuan; LO, Chun-Hua

Testing Site : 1.No.1, Sec. 1, Huanyuan E. Rd., Liuying Dist., Tainan City



▼ 26. 01 Chemical Reagent

Dimethyl Sulfoxide(DMSO), Monoethanolamine(MEA), Steipper(70% Monoethanolamine+30%Dimethyl Sulfoxide), N-Methyl-2-Pyrrolidone(NMP),Stripper (70%Diethylene Glycol Monobutyl Ether+30%Monoethanolamine), Diethylene Glycol Monobutyl Ether(BDG)

C049 Water Content (Moisture)

In-house Method : Water Content Measurement in Chemicals (KarlFischer) Standards QS-037-0051,Refer to CNS 13106:1996
(0.03 to 2) %

Approval Signatory:SHU, Chia-Chun; CHEN, Szu-Yu; HSIAO, Shu-Chuan; LO, Chun-Hua

Testing Site : 1.No.1, Sec. 1, Huanyuan E. Rd., Liuying Dist., Tainan City

▼ 26. 01 Chemical Reagent

Para-Hydroxybenzoic Acid(LCP), Methylparaben(MP), Propylparaben(PP), Benzoic Acid(BAF)

C049 Water Content(Moisture)

In-house Method : Water Content Measurement in Chemicals (KarlFischer) Standards QS-037-0051,Refer to CNS 13106:1996
(0.03 to 2) %

Approval Signatory:SHEN, Yun-Chen; SHU, Chia-Chun; CHEN, Szu-Yu; HSIAO, Shu-Chuan; LO, Chun-Hua

▼ 26. 01 Chemical Reagent

25%Tetramethylammonium hydroxide(TMAH)
solution in water

C070 metal element

In-house Method : 25%TMAH 22 Metal Ion Measurement Standard QS-037-0669

Ag(Silver): (1 to 20) ppb ($\mu\text{g}/\text{kg}$)

Al(Aluminium): (1 to 20) ppb ($\mu\text{g}/\text{kg}$)

Ba(Barium): (1 to 20) ppb ($\mu\text{g}/\text{kg}$)

Bi(Bismuth): (1 to 20) ppb ($\mu\text{g}/\text{kg}$)

Ca(Calcium): (1 to 20) ppb ($\mu\text{g}/\text{kg}$)

Cd(Cadmium): (1 to 20) ppb ($\mu\text{g}/\text{kg}$)

Co(Cobalt): (1 to 20) ppb ($\mu\text{g}/\text{kg}$)

Cr(Chromium): (1 to 20) ppb ($\mu\text{g}/\text{kg}$)

Cu(Copper): (1 to 20) ppb ($\mu\text{g}/\text{kg}$)

Fe(Iron): (1 to 20) ppb ($\mu\text{g}/\text{kg}$)

Ga(Gallium): (1 to 20) ppb ($\mu\text{g}/\text{kg}$)

In(Indium): (1 to 20) ppb ($\mu\text{g}/\text{kg}$)

K(Potassium): (1 to 20) ppb ($\mu\text{g}/\text{kg}$)

Li(Lithium): (1 to 20) ppb ($\mu\text{g}/\text{kg}$)

Mg(Magnesium): (1 to 20) ppb ($\mu\text{g}/\text{kg}$)

Mn(Manganese): (1 to 20) ppb ($\mu\text{g}/\text{kg}$)

Na(Sodium): (1 to 20) ppb ($\mu\text{g}/\text{kg}$)

Ni(Nickel): (1 to 20) ppb ($\mu\text{g}/\text{kg}$)

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Pb(Lead): (1 to 20) ppb ($\mu\text{g}/\text{kg}$)
Sr(Strontium): (1 to 20) ppb ($\mu\text{g}/\text{kg}$)
Tl(Thallium): (1 to 20) ppb ($\mu\text{g}/\text{kg}$)
Zn(Zinc): (1 to 20) ppb ($\mu\text{g}/\text{kg}$)

Approval Signatory:FANG, Chia-chia; SHU, Chia-Chun; CHEN, Szu-Yu; HSIAO, Shu-Chuan

▼ 26. 01 Chemical Reagent

Sodium Citrate(CNA)solution in water

C091 pH Value

In-house Method : Sodium citrate aqueous solution pH measurement standard QS-037-0400,Refer to The Pharmacopoeia of Japan(XVI, p.1398)

7.5 to 9.5 (at 5%)

Approval Signatory:SHEN, Yun-Chen; SHU, Chia-Chun; CHEN, Szu-Yu; HSIAO, Shu-Chuan; LO, Chun-Hua

▼ 26. 01 Chemical Reagent

Benzoic Acid(BAF)

C170 Assay

The United States Pharmacopoeia(48), Official Monographs, Benzoic Acid (98.0 to 100.0) %

Approval Signatory:SHEN, Yun-Chen; SHU, Chia-Chun; CHEN, Szu-Yu; HSIAO, Shu-Chuan; LO, Chun-Hua

▼ 26. 01 Chemical Reagent

Oxalic acid(ITO)solution in water

C170 Assay

In-house Method : Oxalic acid purity measurement standard QS-037-0624,Refer to Food additive test Methods (Version1), Oxalic acid

(2 to 30) %

Approval Signatory:SHU, Chia-Chun; CHEN, Szu-Yu; HSIAO, Shu-Chuan; LO, Chun-Hua

Testing Site : 1.No.1, Sec. 1, Huanyuan E. Rd., Liuying Dist., Tainan City



▼ 26. 01 Chemical Reagent

Tetramethylammonium hydroxide(TMAH)solution in water

C170 Assay

1. In-house Method : 25% Tetramethylammonium Hydroxide (TMAH) Purity
Measurement Standard QS-037-0666,Refer to The United States Pharmacopoeia(USP43,
p.6211)

2.In-housr method: 0.4%~5% Tetramethylammonium Hydroxide (TMAH) Purity
Measurement Standard QS-037-0673,Refer to The United States Pharmacopoeia(USP43,
p.6211)

(2 to 30) %

Approval Signatory:FANG, Chia-chia; SHU, Chia-Chun; CHEN, Szu-Yu; HSIAO, Shu-
Chuan; LO, Chun-Hua

Testing Site : 1.No. 340, Xiaoxinying, Xiaoxin Vil., Shanhua Dist., Tainan City 741007,
Taiwan; 2.No.1, Sec. 1, Huanyuan E. Rd., Liuying Dist., Tainan City

▼ 26. 01 Chemical Reagent

Potassium Hydroxide(KOH)solution in water

C170 Assay

In-house Method : Purity Measurement Standards for Potassium Hydroxide Solution QS-
037-0006,Refer to The Pharmacopoeia of Japan(XVI, p.1270)

(2 to 50) %

Approval Signatory:SHU, Chia-Chun; CHEN, Szu-Yu; HSIAO, Shu-Chuan; LO, Chun-
Hua

Testing Site : 1.No.1, Sec. 1, Huanyuan E. Rd., Liuying Dist., Tainan City

▼ 26. 01 Chemical Reagent

Hydrochloric acid(HCl),Nitric acid(HNO₃),Phosphoric Acid(H₃PO₄),Sulfuric
acid(H₂SO₄)

C170 Assay

The United States Pharmacopoeia(USP43, p.5816,5900,5927,6168), Official Monographs,
Hydrochloric acid,Nitric acid,Phosphoric Acid,Sulfuric acid

Hydrochloric acid:(20 to 40) %

Nitric acid:(50 to 75) %

Phosphoric Acid:(50 to 95) %

Sulfuric acid:(20 to 100) %

Approval Signatory:SHU, Chia-Chun; CHEN, Szu-Yu; HSIAO, Shu-Chuan; LO, Chun-
Hua

Testing Site : 1.No.1, Sec. 1, Huanyuan E. Rd., Liuying Dist., Tainan City



▼ 26. 01 Chemical Reagent

Para-Hydroxybenzoic Acid(LCP),Methylparaben(MP), Propylparaben(PP), Benzoic Acid(BAF)

C258 Melting Point

CNS 8835 : 1996

Para-Hydroxybenzoic Acid: (214 to 219) °C

Methylparaben: (125 to 131)°C

Propylparaben: (95 to 99)°C

Benzoic Acid: (122 to 124) °C

Approval Signatory:SHEN, Yun-Chen; SHU, Chia-Chun; CHEN, Szu-Yu; HSIAO, Shu-Chuan; LO, Chun-Hua

▼ 26. 01 Chemical Reagent

Para-Hydroxybenzoic Acid(LCP)

C999 Bulk Density

CNS 6203 : 1980

(400 to 800) kg/m³

Approval Signatory:SHEN, Yun-Chen; SHU, Chia-Chun; CHEN, Szu-Yu; HSIAO, Shu-Chuan; LO, Chun-Hua

(Null below)

