



福建南平青松化工有限公司
FUJIAN NANPING GREEN PINE CHEMICAL CO., LTD
成品检验报告单

CERTIFICATE OF ANALYSIS

日期: 2021年06月02日

DATE: 02ndJUN.2021

品名: 合成樟脑 BP PRODUCT NAME: Camphor Synthetic BP	包装规格: 25KG/箱 PACKING IN: 25KG NET CARTON	
产品编号: GP00130 PRODUCT CODE: GP00130	批号: 110306 LOT NUMBER:	
发往单位: SHIP TO:	数量(箱): 20 QUANTITY(CARTON):	
合同号/订单号: CONTRACT NO. or PO NO.:	抽样数量(箱): 11 SAMPLING QUANTITY(CARTON):	
保质期: 二十四个月 SHELF TIME: 24 MONTHS	生产日期: 2021年04月 MANUFACTURE DATE: APR.2021	
项目 PARAMETERS	指标 INDEX	测试结果 TEST RESULTS
1、外观 Appearance	白色或接近白色的结晶粉末或易碎, 结晶块状, 即使在室温下易挥发。 White or almost white, crystalline powder or friable crystalline masses, highly volatile even at room temperature.	符合 QUALIFIED
2、溶解度 Solubility	微溶于水, 易溶于乙醇(96%)、能溶于轻质石油; 易溶于油脂、微溶于甘油。 Slightly soluble in water, very soluble in ethanol (96 per cent) and in light petroleum, freely soluble in fatty oils, very slightly soluble in glycerol.	符合 QUALIFIED
3、鉴别 Identification	鉴别A 旋光度: -0.15° ~ $+0.15^{\circ}$ A: Optical rotation (see Tests). 鉴别C 红外吸收分光光度法: 样品图谱和标准品图谱应一致 C: Infrared absorption spectrophotometry	+0.01° 符合 QUALIFIED
4、溶液外观 Appearance of solution	溶液 S 目测应清晰且无色 Clear	澄清 CLEAR
5、酸碱性 Acidity or alkalinity	符合要求 Qualifide	符合 QUALIFIED
6、旋光度, ° Optical Rotation	-0.15° ~ $+0.15^{\circ}$	+0.01°
7、有关物质, % Related substances	单个杂质 ≤ 2.0 any impurity: for each impurity $\leq 2.0\%$ of the area of the principal peak	1.5
	总杂质 ≤ 4.0 total: $\leq 4.0\%$ of the area of the principal peak	3.9
8、卤素, PPM Halogens	≤ 100	符合 QUALIFIED
9、水分 Water	观察溶液是澄清的 Clear	澄清 CLEAR
10、蒸发残留物, % Residue on evaporation	≤ 0.05	0.02
11、二甲苯残留, ppm Residual Solvents	≤ 2170	110
12、含量, % Purity (GC)	≥ 96.0	96.1
13、熔点, °C Melting point	172~180	174.6

结论: 符合 BP 2021 版药典标准

CONCLUSION: THE QUALITY IS IN ACCORDANCE WITH BP2021

质保部经理: _____

检验员: _____

(QC Manager):

(Quality Inspector):



福建南平青松化工有限公司

FUJIAN NANPING GREEN PINE CHEMICAL CO., LTD

成品检验报告单

CERTIFICATE OF ANALYSIS

日期: 2021年11月09日

DATE: 09th NOV.2021

品名: 原料药[樟脑(合成)]		包装规格:	
产品编号: GP00060		批号: G12110006	
发往单位:		数量(箱): 样品	
合同号/订单号:		抽样数量(箱)	
保质期: 二十四个月		生产日期: 2021年10月25日	
检验项目	检验标准	结果	
【性状】	本品为白色结晶性粉末或无色半透明硬块, 加少量的乙醇、三氯甲烷或乙醚, 易研碎成细粉; 有刺激性特臭, 味初辛、后清凉; 在常温中易挥发, 燃烧时发生黑烟及有光的火焰。 本品在三氯甲烷中极易溶解, 在乙醇、乙醚、脂肪油或挥发油中易溶, 在水中极微溶解。	符合规定	
熔点	174~179℃	176.7~177.5℃	
【鉴别】	(1) 紫外光谱 在 289nm 的波长处有最大吸收, 其吸光度约为 0.53	符合规定	
	(2) 红外光谱 应与对照的图谱(光谱集 535 图)一致	符合规定	
【检查】	旋光度°	-1.5°至+1.5° -0.4°	
	酸度	应符合规定	符合规定
	乙醇溶液的澄清晰度	应符合规定	符合规定
	卤化物	应符合规定	符合规定
	有关物质	前杂≤1.0%	0.27%
		后杂≤1.0%	0.47%
		异龙脑≤0.5%	0.03%
		龙脑≤0.5%	0.07%
		最大未知单杂≤0.10%	0.05%
		总杂质≤4.0%	1.08%
	残留溶剂	≤0.217%	<0.01%
	不挥发物	不得过 1mg	0.4
水分	应符合规定	符合规定	
重金属	不得过百万分之十	符合规定	
【含量测定】	含 C ₁₀ H ₁₆ O 不少于 96.0%	98.4%	

结论: 本品按中国药典 2020 年版二部检验 结果符合规定

质保部经理: _____

检验员: _____



福建南平青松化工有限公司

FUJIAN NANPING GREEN PINE CHEMICAL CO., LTD

成品检验报告单

CERTIFICATE OF ANALYSIS

日期: 2021年06月22日

DATE: 22nd JUN.2021

品名: 合成樟脑 DAB-6 NAME: Camphor Synthetic DAB6	包装规格: 25KG/箱 PACKING IN: 25KG NET CARTON	
产品编号: GP00150 PRODUCT CODE: GP00150	批号: 310493 LOT NUMBER:	
发往单位: SHIP TO:	数量(箱): 40 QUANTITY(CARTON):	
合同号/订单号: CONTRACT NO. or PO NO:	抽样数量(箱): 41 SAMPLING QUANTITY(CARTON):	
保质期: 二十四个月 SHELF TIME: 24 MONTHS	生产日期: 2021年05月 MANUFACTURE DATE: MAY 2021	
项目 PARAMETERS	指标 INDEX	测试结果 TEST RESULTS
1、外观 APPEARANCE	白色或接近白色的结晶粉末或易碎, 结晶块状, 即使在室温下易挥发 White or almost white, crystalline powder or friable, crystalline masses, highly volatile even at room temperature.	白色或接近白色的结晶粉末或易碎, 结晶块状, 即使在室温下易挥发 White or almost white, crystalline powder or friable, crystalline masses, highly volatile even at room temperature.
2、鉴别 IDENTIFICATION	符合试验 QUALIFIED	符合试验 QUALIFIED
3、熔点, °C MELTING POINT, °C	≥170	170.0
4、比旋度, SPECIFIC OPTICAL ROTATION	-2°~+5°	+0.1°
5、卤素, PPM HALOGENS, PPM	<350	符合试验 QUALIFIED
6、含量(化学法), % PURITY, (Chemical Method)%	≥96.0	96.0

结 论: 符合 DAB-6 版药典标准

CONCLUSION: THE QUALITY IS IN ACCORDANCE WITH DAB-6

质保部经理: _____
(QC Manager):

检验员: _____
(Quality Inspector):



福建南平青松化工有限公司

FUJIAN NANPING GREEN PINE CHEMICAL CO., LTD

成品检验报告单

CERTIFICATE OF ANALYSIS

日期: 2021年04月14日

DATE: 14th APR.2021

品名: 合成樟脑 DAB-8 PRODUCT NAME: Camphor Synthetic DAB-8	包装规格: 25 KG/箱 PACKING IN: 25KG NET CARTON	
产品编号: GP00140 PRODUCT CODE: GP00140	批号: 210280 LOT NUMBER:	
发往单位: SHIP TO:	数量(箱): 40 QUANTITY(CARTON):	
合同号/订单号: S/C NO. or PO NO:	抽样数量(箱) 11 SAMPLING QUANTITY(CARTON):	
保质期: 24个月 SHELF TIME: 24 MONTHS	生产日期: 2021年03月 MANUFACTURE DATE: MAR.2021	
项目 PARAMETERS	指标 INDEX	测试结果 TEST RESULTS
1.性状 APPEARANCE	白色结晶粉末 WHITE POWDER CRYSTALS	白色结晶粉末 WHITE POWDER CRYSTALS
2.鉴别 IDENTIFICATION	符合试验 QUALIFIED	符合试验 QUALIFIED
3.溶液外观 APPEARANCE OF SOLUTION	澄清 CLEAR	澄清 CLEAR
4.不挥发物, % NON-VOLATILE MATTER, %	≤0.10	0.01
5.熔点, °C MELTING POINT, °C	174~179	174.5
6.含量, % PURITY, %(GC)	≥96.0	96.0
7.酸碱度 ACIDITY OR ALKALINITY	符合试验 QUALIFIED	符合试验 QUALIFIED

结 论: 符合 DAB-8 版药典标准

CONCLUSION: THE QUALITY IS IN ACCORDANCE WITH DAB-8

质保部经理: _____
(QC Manager):

检验员: _____
(Quality Inspector):



福建南平青松化工有限公司

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成品检验报告单

CERTIFICATE OF ANALYSIS

日期: 2021年08月16日

DATE: 16th AUG. 2021

品名: 合成樟脑 DAB-10 PRODUCT NAME: CAMPHOR POWDER SYN DAB-10	包装规格: PACKING IN:	
产品编号: GP00110 PRODUCT CODE: GP00110	批号: 010524 LOT NUMBER:	
发往单位: SHIP TO:	数量(箱): 样品 QUANTITY(CARTON): SAMPLE	
合同号/订单号: CONTRACT NO. or PO NO.:	抽样数量(箱): SAMPLING QUANTITY(CARTON):	
保质期: 二十四个月 SHELF TIME: 24 MONTHS	生产日期: 2021年05月 MANUFACTURE DATE: MAY.2021	
项目 PARAMETERS	指标 INDEX	测试结果 TEST RESULTS
1、性状 APPEARANCE	白色结晶粉末 WHITE POWDER CRYSTALS	白色结晶粉末 WHITE POWDER CRYSTALS
2、鉴别 IDENTIFICATION	符合试验 QUALIFIED	符合试验 QUALIFIED
3、溶液外观 APPEARANCE OF SOLUTION	无色透明 CLEAR	无色透明 CLEAR
4、不挥发物, % NON-VOLATILE MATTER, %	≤0.05	0.01
5、熔点, °C MELTING POINT, °C	174-180	175.5
6、水分 WATET CONTENT	溶液清澈透明 CLEAR AND TRANSPARENT SOLUTION	符合试验 QUALIFIED
7、含量, % PURITY, % (GC)	≥96.0	96.9
8、相对物质, % RELATED SUBSTANCE	单个杂质≤2.0	0.9
	总杂质≤4.0	3.1
9、旋光度 OPTICAL ROTATION	-0.15°~+0.15°	+0.05°
10、酸碱度 ACIDITY OR ALKALINITY	符合试验 QUALIFIED	符合试验 QUALIFIED
11、卤素, PPM HALOGENS, PPM	≤100	符合 QUALIFIED
12、二甲苯残留, ppm RESIDUAL SOLVENT (XYLENE)	≤2170	105

结 论: _____ 符合 DAB-10 版药典标准 _____
CONCLUSION: _____ THE QUALITY IS IN ACCORDANCE WITH DAB-10 _____

质保部经理: _____
(QC Manager):

检验员: _____
(Quality Inspector):



福建南平青松化工有限公司

FUJIAN NANPING GREEN PINE CHEMICAL CO., LTD

成品检验报告单

CERTIFICATE OF ANALYSIS

日期: 2021年06月22日

DATE: 22nd JUN.2021

品名: 合成樟脑 EP PRODUCT NAME: Camphor Synthetic EP	包装规格: 25KG/箱 PACKING IN: 25KG NET CARTON	
产品编号: GP00130 PRODUCT CODE: GP00130	批号: 110533 LOT NUMBER:	
发往单位: SHIP TO:	数量(箱): 300 QUANTITY(CARTON):	
合同号/订单号: CONTRACT NO. or PO NO.:	抽样数量(箱): 21 SAMPLING QUANTITY(CARTON):	
保质期: 二十四个月 SHELF TIME: 24 MONTHS	生产日期: 2021年05月 MANUFACTURE DATE: MAY.2021	
项目 PARAMETERS	指标 INDEX	测试结果 TEST RESULTS
1、外观 Appearance	白色或接近白色的结晶粉末或易碎, 结晶块状, 即使在室温下易挥发 White or almost white, crystalline powder or friable, crystalline masses, highly volatile even at room temperature.	符合 QUALIFIED
2、溶解度 Solubility	微溶于水, 易溶于乙醇(96%)、能溶于轻质石油、易溶于油脂、微溶于甘油。 Slightly soluble in water, very soluble in ethanol (96 per cent) and in light petroleum, freely soluble in fatty oils, very slightly soluble in glycerol.	符合 QUALIFIED
3、鉴别 Identification	鉴别 A 旋光度, $-0.15^{\circ} \sim +0.15^{\circ}$ A: Optical rotation (see Tests).	+0.01°
	鉴别 C 红外吸收分光光度法: 样品图谱和标准品图谱应一致 C: Infrared absorption spectrophotometry	符合 QUALIFIED
4、溶液外观 Appearance of solution	溶液 S 自测应清晰且无色 Clear	澄清 CLEAR
5、酸碱性 Acidity or alkalinity	符合要求 Qualifide	符合 QUALIFIED
6、旋光度, ° Optical Rotation	$-0.15^{\circ} \sim +0.15^{\circ}$	+0.01°
	单个杂质 ≤ 2.0 any impurity: for each impurity $\leq 2.0\%$ of the area of the principal peak	1.4
7、有关物质, % Related substances	总杂质 ≤ 4.0 total: $\leq 4.0\%$ of the area of the principal peak	3.8
8、卤素, PPM Halogens	≤ 100	符合 QUALIFIED
9、水分 Water	观察溶液是澄清的 Clear	澄清 CLEAR
10、蒸发残留物, % Residue on evaporation	≤ 0.05	0.02
11、二甲苯残留, ppm Residual Solvents	≤ 2170	110
12、熔点, °C Melting point, °C	172~180	174.4
13、含量, % PURITY, %	---	96.2

结论: 符合 EP10.0 版药典标准

CONCLUSION: THE QUALITY IS IN ACCORDANCE WITH EP10.0

质保部经理: _____

检验员: _____

(QC Manager):

(Quality Inspector):



福建南平青松化工有限公司

FUJIAN NANPING GREEN PINE CHEMICAL CO., LTD

成品检验报告单

CERTIFICATE OF ANALYSIS

日期: 2021年06月22日

DATE: 22nd JUN.2021

品名: 合成樟脑 USP42 PRODUCT NAME: CAMPHOR POWDER SYN USP42	包装规格: 25KG/箱 PACKING IN: 25KG NET CARTON	
产品编号: GP00120 PRODUCT CODE: GP00120	批号: 010132 LOT NUMBER:	
发往单位: SHIP TO:	数量(箱): 40 QUANTITY(CARTON):	
合同号/订单号: CONTRACT NO. or PO NO.:	抽样数量(箱) 11 SAMPLING QUANTITY(CARTON):	
保质期: 二十四个月 SHELF TIME: 24 MONTHS	生产日期: 2021年02月 MANUFACTURE DATE: FEB.2021	
项目 PARAMETERS	指标 SPECIFICATION	测试结果 TEST RESULTS
1、性状 APPEARANCE	白色结晶粉末 WHITE POWDER CRYSTALS	白色结晶粉末 WHITE POWDER CRYSTAL
2、溶液外观 APPEARANCE OF SOLUTION	100mg/ml浓度的己烷溶液是澄清的 A 100-mg/mL solution in solvent hexane is clear.	澄清 CLEAR
3、不挥发物, % LIMITED NONVOLATILE RESIDUE %	≤0.05	0.02
4、熔点, °C MELTING RANGE, °C	174-179	174.8
5、含量, % PURITY, % (GC)	≥96.0%	96.3
6、比旋度, ° SPECIFIC ROTATION	无光学活性 OPTICALLY INACTIVE	符合 QUALIFIED
7、卤素, ppm HALOGENS	≤350	符合 QUALIFIED
8、溶剂残留, ppm RESIDUAL SOLVENT	≤2170	<100

结 论: 符合 USP42 版药典标准

CONCLUSION: THE QUALITY IS IN ACCORDANCE WITH USP42

质保部经理: _____

(QC Manager):

检验员: _____

(Quality Inspector)



福建南平青松化工有限公司

FUJIAN NANPING GREEN PINE CHEMICAL CO., LTD

成品检验报告单

CERTIFICATE OF ANALYSIS

日期: 2021年03月22日

DATE: 22nd MAR. 2021

品名: 合成樟脑 PRODUCT NAME: CAMPHOR POWDER SYN TECH	包装规格: 25KG/箱 PACKING IN: 25KG NET CARTON	
产品编号: GP00170 PRODUCT CODE: GP00170	批号: 610682 LOT NUMBER:	
发往单位: SHIP TO:	数量(箱): 40 QUANTITY(CARTON):	
合同号/订单号: CONTRACT NO. or PO NO:	抽样数量(箱) 11 SAMPLING QUANTITY(CARTON):	
保质期: 二十四个月 SHELF TIME: 24 MONTHS	生产日期: 2021年06月 MANUFACTURE DATE: JUN 2021	
项目 PARAMETERS	指标 INDEX	测试结果 TEST RESULTS
1、性状 APPEARANCE	白色结晶粉末 WHITE POWDER CRYSTALS	白色结晶粉末 WHITE POWDER CRYSTALS
2、水分 MOISTURE CONTENT	澄清 CLEAR	澄清 CLEAR
3、熔点, °C MELTING POINT, °C	≥168	168.1
4、含量(化学法), % PURITY (CHEMICAL METHOD)	≥95.0	95.1
5、不挥发物, % NON-VOLATILE MATTER, %	≤0.10	0.026
6、乙醇不溶物, % Ethanol insoluble matter	≤0.015	0.002

结论: 符合 GB/T4895-2007 工业级标准
CONCLUSION: THE QUALITY IS IN ACCORDANCE WITH GB/T4895-2007

质保部经理: _____
(QC Manager):

检验员: _____
(Quality Inspector):



福建南平青松化工有限公司

FUJIAN NANPING GREEN PINE CHEMICAL CO., LTD

成品检验报告单

CERTIFICATE OF ANALYSIS

日期: 2021年06月22日

DATE: 22nd JUN.2021

品名: 天然樟脑 PRODUCT NAME: CAMPHOR NATURAL	包装规格: 25KG/箱 PACKING IN: 25KG NET CARTON	
产品编号: GP00160 PRODUCT CODE: GP00160	批号: 810002 LOT NUMBER:	
发往单位: SHIP TO:	数量(箱): 12 QUANTITY(CARTON):	
合同号/订单号: CONTRACT NO. or PO NO.:	抽样数量(箱) 11 SAMPLING QUANTITY(CARTON):	
保质期: 二十四个月 SHELF TIME: 24 MONTHS	生产日期: 2021年02月 MANUFACTURE DATE: FEB, 2021	
项目 PARAMETERS	指标 INDEX	测试结果 TEST RESULTS
1、性状 APPEARANCE	白色结晶 WHITE CRYSTALLINE	白色结晶 WHITE CRYSTALLINE
2、水分 WATER	符合试验, 澄清 QUALIFIED, CLEAR	符合试验, 澄清 QUALIFIED, CLEAR
3、鉴别 IDENTIFICATION	红外吸收分光光度法 Infrared absorption spectrophotometry	符合试验 QUALIFIED
4、熔点, °C MELTING POINT, °C	175 ~ 179	177.0
5、不挥发物, % RESIDUE ON EVAPORATION	≤0.05	0.03
6、旋光度, ° OPTICAL ROTATION	+40.0° ~ +43.0°	+42.5°
7、含量, % PURITY, % (GC)	----	98.5
8、有关物质, % RELATED SUBSTANCES	龙脑含量≤2 / BORNEOL CONTENT≤2	0.3
	其他杂质≤0.5 / OTHER IMPURITY≤0.5	0.2
	所有杂质≤4 / TOTAL IMPURITY≤4	0.7
9、溶液外观 APPEARANCE OF SOLUTION	澄清 CLEAR	澄清 CLEAR
10、酸性 ACIDITY OR ALKALINITY	符合试验 QUALIFIED	符合试验 QUALIFIED
11、卤素, PPM HALOGENS, PPM	<100	符合 QUALIFIED

结 论: 符合 EP10.0 版药典标准中对樟脑的要求

CONCLUSION: ACCORD WITH THE REQUEST FOR CAMPHOR IN EP 10.0

质保部经理: _____

检验员: _____

(QC Manager):

(Quality Inspector):



福建南平青松化工有限公司分析报告单
FUJIAN NANPING GREEN PINE CHEMICAL CO., LTD

www.greenpinechemical.com

CERTIFICATE OF ANALYSIS

品名 Product		合成樟脑 CAMPHOR, RACEMIC, EU GMP CERTIFIED				
Batch No.	重量 Quantity	产品代码 Product Code	分析日期 Analysis Date	包装 Package	生产日期 Manufacture Date	重测日期 Retest Date
G12110007	样品	GP00090	NOV.11.2021	15KG/Paper drum	OCT.31.2021	OCT.30.2023
项目 Items	欧洲药典 EP10.0			测试方法 EP10.0 Test Method	测试结果 Results	
外观 Appearance	White or almost white, crystalline powder or friable, crystalline masses, highly volatile even at room temperature.			EP10.0	Complied	
溶解性 Solubility	Slightly soluble in water, very soluble in ethanol (96 per cent) and in light petroleum, freely soluble in fatty oils, very slightly soluble in glycerol.			EP10.0	Complied	
鉴别 Identification	A: Optical rotation (-0.15°~+0.15°).			EP10.0	-0.04 °	
	C: Infrared absorption spectrophotometry			EP10.0	Complied	
溶液外观 Appearance of solution	Solution S is clear and colorless			EP10.0	Complied	
酸碱性 Acidity or alkalinity	Test: Meets the Requirements			EP10.0	Complied	
旋光度 Optical Rotation (10.0% ethanol(96%) solution)	-0.15°~+0.15°			EP10.0	-0.04 °	
有关物质 Related substances	any impurity: for each impurity ≤2.0% of the area of the principal peak			EP10.0	0.6 %	
	total: ≤4.0% of the area of the principal peak				1.4 %	
	disregard limit: the area of the principal peak in the chromatogram obtained with reference solution (b)				Complied	
卤素 Halogens	≤100ppm			EP10.0	<100ppm	
水 Water	Dissolve 1 g in 10 ml of light petroleum R. The solution is clear			EP10.0	Complied	
蒸发残留物 Residue on evaporation	≤0.05%			EP10.0	0.02 %	
溶剂残留 Residual Solvents	xylene ≤2170ppm			EP10.0	<100 ppm	
结论 Conclusion	The quality is in accordance with EP10.0					
贮存条件 Storage condition : Store in cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container. Keep air contact to a minimum.						

QC 经理 QC Manager:

复核员 Verification:

分析员 Analyst:

Address: No.85, Taqian Road, Huiyao Industrial Park, Jianyang District, Nanping city, Fujian province, P.R. China, post code: 354200

Tel: +86 599 5823129, Fax: +86 599 5823209



福建南平青松化工有限公司分析报告单
FUJIAN NANPING GREEN PINE CHEMICAL CO., LTD
CERTIFICATE OF ANALYSIS

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Product		CAMPHOR, RACEMIC, JP GMP CERTIFIED			
批号 Batch №	数量 Quantity	分析日期 Analysis Date	包装 Package	生产日期 Manufacture Date	重测日期 Expiry Date
G12111006	样品	NOV.30.2021	15KG/PAPER DRUM	NOV.20.2021	NOV.19.2024
项目 Items	日本药典 JP		测试方法 JP Test Method	测试结果 Results	
1、DESCRIPTION	Pass		JP	Complied	
2、IDENTIFICATION	Pass		JP	Complied	
3、WATER	Pass		JP	Complied	
4、NON-VOLATILE RESIDUE, %	Heat 2.0g of dl-Camphor on a water bath until sublimation is complete, then dry the residue at 105°C for 3hours; the mass of the residue does not exceed 1.0mg.		JP	0.02%	
5、MELTING POINT, °C	175-180°C		JP	178.1	
6、ASSAY, %(GC)	≥96%		JP	98.6	
7、OPTICAL ROTATION, °	[α] _D ²⁰ : -1.5° + 1.5° (5g, ethanol(95), 50mL, 100mm)		JP	-0.4	
8、CHLORINATED COMPOUNDS	Pass		JP	Complied	
9、RESIDUAL SOLVENT (XYLENE)	≤2170ppm		NFC METHOD	<100	
结论 Conclusion	The quality is in accordance with JP				
存贮条件 Storage condition : Store in cool,dry and ventilated area away from heat sources and protected from light in tightly closed original container.Keep air contact to a minimum.					

QC 经理 QC Manager:

复核员 Verification:

分析员 Analyst:

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福建南平青松化工有限公司分析报告单
FUJIAN NANPING GREEN PINE CHEMICAL CO., LTD

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CERTIFICATE OF ANALYSIS

品名 TRADE NAME		合成樟脑 Camphor Powder Syn USP			
批号 Batch No:	数量 Quantity	分析日期 Analysis Date	包装 Package	生产日期 Manufacture Date	重测日期 Retest Date
G12110003	15KG	OCT.23.2021	15KG/PAPER DRUM	OCT.10.2021	OCT.09.2024
项目 Items	美国药典42版 USP42		测试方法 USP42 Test Method	测试结果 Results	
性状 Appearance	White or almost white, crystalline powder or friable, crystalline masses, high-hly volatile even at room temperature.		Visual	Complied	
溶液外观 Appearance of solution	A 100-mg/mL solution in solvent hexane is clear		USP42	Clear	
熔点 Melting point	between 174°C and 179°C		USP42<741>	177.8	
含量 Purity	—		GC	98.5 %	
比旋度 Specific Rotation	Synthetic Camphor is optically inactive.		USP42<781S>	-0.4 °	
不挥发物 Limit of nonvolatile residue	Heat 2.0 g in a tared dish on a steam bath until sublimation is complete. Then dry the residue at 120 for 3 hours, cool, and weigh; the weight of the residue does not exceed 1.0 mg (0.05%).		USP42	0.02 %	
溶剂残留 Residual Solvents	xylene ≤ 2170 ppm		USP42-NF31	<100PPM	
卤素 Halogens	≤ 0.035%		USP42	Complied	
结论 Conclusion	The quality is in accordance with USP42				
贮存条件 Storage condition : Preserve in tight containers, and avoid exposure to excessive heat.					

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