



大连汉德姆精细化学品有限公司
DALIAN HANDOM CHEMICALS CO.,LTD.

质检报告单
Certificate of Analysis

品名Product Name: 三辛酸甘油酯Tricaprylin

CAS号CAS No.: 538-23-8

分子式Molecular Formula: $C_{27}H_{50}O_6$

批号Batch No.: HDC20230513

批次数量Batch Quantity: 6.20Kg

生产日期MFG. Date: May 13th, 2023

复检日期Retest Date: May 12th, 2025

报告日期Report Date: May 13th, 2023

检验依据Test Based On: 企业内控标准STP-QS-601

| 检测项目Test Items | 标准Specifications | 检测结果Test Results |
|---------------------------------|--|------------------|
| 外观 Appearance | 本品为无色或微黄色油状液体 This product is colorless or slightly yellow oily liquid | 符合标准 Conforms |
| 酸值 Acid Value | 应不大于0.5 Should be no greater than 0.5 | 0.06 |
| 羟值 Hydroxyl Value | 应不大于10 Should be no greater than 10 | 2 |
| 过氧化值 Peroxide Value | 应不大于1 Should be no greater than 1 | 0.08 |
| 皂化值 Saponification Value | 应为320~385 Should be between 320 and 385 | 360 |
| 鉴别(红外光谱) Identification(IR) | 本品的红外光吸收图谱应与对照品的图谱一致 The infrared absorption spectrum of this product should be consistent with that of the reference substance | 符合标准 Conforms |
| 碱性杂质 Alkaline impurities | 消耗0.01mol/L盐酸滴定液不得超过0.4ml The consumption of 0.01mol/L hydrochloric acid titrant shall not exceed 0.4ml | 0.1ml |
| 游离甘油 Free glycerol | 不得超过0.5% NMT 0.5% | 0.008% |
| 辛酸纯度 Purity of octanoic acid | 不得少于98.0% NLT 98.0% | 99.8% |
| 水分 Water | 不得超过0.2% NMT 0.2% | 0.04% |
| 灼烧残渣 Residue on ignition | 不得超过0.1% NMT 0.1% | 0.03% |
| 重金属 Heavy metals | 不得超过10ppm NMT 10ppm | 符合标准 Conforms |
| 残留溶剂 Residual Solvents | 正己烷不得超过0.029% n-hexane: NMT 0.029% | 0.006% |
| | 三氯甲烷不得超过0.006% Chloroform: NMT 0.006% | 0.001% |



大连汉德姆精细化学品有限公司

DALIAN HANDOM CHEMICALS CO.,LTD.

质检报告单

Certificate of Analysis

| | | |
|------------------------------|---|---------------------|
| 细菌内毒素 Bacterial endotoxin | 每1毫克供试品中含内毒素的量应小于0.2EU The amount of endotoxin contained in 1 mg of the test product should be less than 0.2EU | 符合标准 Conforms |
| 微生物限度 Microbial Limit | 需氧菌总数不得超过1000CFU/g The total number of aerobic bacteria shall not exceed 1000CFU/g | 20CFU/g |
| | 霉菌和酵母菌总数不得超过100CFU/g The total number of molds and yeasts shall not exceed 100CFU/g | 10CFU/g |
| | 每1克供试品中不得检出大肠埃希菌 Escherichia coli shall not be detected in every 1 gram of the test product | 未检出 Not detected |
| 含量 Content | 按干燥品计, 含C ₂₇ H ₅₀ O ₆ 不得少于98.0% Calculated on the anhydrous basis, the content of C ₂₇ H ₅₀ O ₆ shall not be less than 98.0% | 99.6% |
| 结论 Conclusion | 本品按企业内控标准STP-QS-601检测, 以上项目均符合标准。 This product is tested according to the enterprise internal control standard STP-QS-601, and the above items are all in compliance with the standard. | |



化验员(Analyst): 王志

QC复核员(QC Rechecker): 赵萍

QA复核员(QA Rechecker): 孙峰