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Certificate of analysis

品名	硬脂酸 Stearic acid	CAS	57-11-4
货号	D16595	批次	OK20251203Q
生产日期	2025-12-03	复测日期	2027-12-02

执行标准:企业标准

分析项目 SPECIFICATION PROPERTIES	技术指标 STANDARD	实测结果 RESULTS
性状 trait	本品为白色或类白色粉末、颗粒、片状固体或结晶性硬块，其剖面有微带光泽的细针状结晶 This product is a white or off white powder, particle, flake solid or crystalline hard block, with fine needle shaped crystals with a slight gloss on its cross-section	本品为白色颗粒 This product is white granules
凝点 pour point	53~59℃	56℃
酸值 acid value	194~212	208
碘值 iodine value	不大于4.0 Not greater than 4.0	0.2
鉴别 identification	含量测定项下色谱图中，供试品溶液两个主峰的保留时间应分别与对照品溶液两个主峰的保留时间一致 In the chromatogram under the content determination item, the retention time of the two main peaks in the test solution should be consistent with that of the two main peaks in the reference solution	含量测定项下色谱图中，供试品溶液两个主峰的保留时间分别与对照品溶液两个主峰的保留时间一致 In the chromatogram under the content determination item, the retention times of the two main peaks of the test solution are consistent with those of the two main peaks of the reference

		solution
溶液的颜色 Color of solution	与黄绿色1号标准比色液比较，不得更深 Compared with the yellow green No.1 standard colorimetric solution, it should not be darker	符合规定 conforms
水溶性酸 Water-soluble acid	不得显红色 Do not show red color	符合规定 conforms
中性脂肪或蜡 Neutral fat or wax	溶液应澄清 The solution should be clear.	符合规定 conforms
炽灼残渣 residue on ignition	≤0.1%	0.01%
镍 nickel	≤0. 0001%	0.00002%
重金属 heavy metal	不得过百万分之五 Not exceeding 5 parts per million	符合规定 conforms
含量测定 Assay	含硬脂酸应为40.0%~60.0%(不包括60.0%)，含硬脂酸于棕榈酸总量不少于90.0% The content of stearic acid should be between 40.0% and 60.0% (excluding 60.0%), and the total content of stearic acid to palmitic acid should not be less than 90.0%	含硬脂酸49.1%，含硬脂酸与棕榈酸总量98.5% Containing 49.1% stearic acid and a total of 98.5% stearic acid and palmitic acid
微生物限度 Microbial Limit	每1g供试品中需氧菌总数不得过1000cfu,霉菌及酵母菌数不得过100cfu,每1g供试品中不得检出大肠埃希菌 The total number of aerobic bacteria in every 1g of the test sample shall not exceed 1000cfu, the number of mold and yeast shall not exceed 100cfu, and no Escherichia coli shall be detected in every 1g of the test sample	需氧菌总数<10 cfu/g，街菌和酵母菌<10cfu/g.未检出大肠埃希菌 Total aerobic bacteria<10 cfu/g, street bacteria and yeast<10 cfu/g. No Escherichia coli detected

注：此产品仅限用于科研，禁止直接用于临床，如有失误，后果自负。

QA：杜冰冰　　QC：谢辉

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