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检 验 报 告 单 CERTIFICATE OF ANALYSIS

NO:2025-07-14

编号:GD4-28-01

产品名称 Article	颗粒乳酸钙 CALCIUM LACTATE (DC GRADE, 20-40MESH USP47)		
生产批号 Batch Number	25FC07105	CAS Number	814-80-2
		EU Number	E327
数量 (箱) Quantity(Cartons)	17000KG (680 Bags)	Producing Date	2025/07/10
		Expiry Date	2029/07/09
分子式 Molecular Formula	C ₆ H ₁₀ CaO ₆ ·5H ₂ O	Testing standard	USP47

项目 Item	标准 Standard	实测数据 Road-Test standard
外观 Appearance	White, practically odorless granules or powder. The pentahydrate is somewhat efflorescent and at 120° becomes anhydrous. The pentahydrate is soluble in water; it is practically insoluble in alcohol.	White, practically odorless granules or powder. The pentahydrate is somewhat efflorescent and at 120° becomes anhydrous. The pentahydrate is soluble in water; it is practically insoluble in alcohol.
鉴别测试 Identification	A. calcium: Meets the requirements B. infrared spectrum	A. calcium: Meets the requirements B. Pass infrared spectrum
钙鉴别 Calcium identification	SPECTROSCOPIC IDENTIFICATION TESTS (197), Infrared Spectroscopy: 197K	SPECTROSCOPIC IDENTIFICATION TESTS (197), Infrared Spectroscopy: 197K
含量 Content	98.0%—101.0%	98.44%
干燥失重 Loss on drying (Pentahydrate)	22.0-27.0%	24.26%
溶解度 solubility	The pentahydrate is soluble in water, it's practically insoluble in alcohol	The pentahydrate is soluble in water, it's practically insoluble in alcohol
酸度值 (以乳酸计) Acidity (as Lactic Acid)	NMT 0.50 mL is required for neutralization, equivalent to NMT 0.45% as lactic acid.	50mg/ml
镁及碱金属 Magnesium and Alkali Salts	NMT 1.0%	<1.0%
重金属 Heavy Metals	NMT: ≤20ppm	≤20ppm
挥发性脂肪酸 Volatile fatty acid	The mixture does not emit an odor of volatile fatty acid	The mixture does not emit an odor of volatile fatty acid
结论 Conclusion	本批产品及样品经检验均符合 USP47 各项规定。 The products and samples are up to the standard of USP47.	

检验员(Inspector): 刘凤莲

负责人(Principal):

任军

