

CERTIFICATE OF ANALYSIS

产品 Product name	四氢胡椒碱 Tetrahydropiperine	生产日期 Manufacture date	Nov.23.2022
批次 Batch number	HKT20221123	分析日期 Analysis date	Nov.25.2022
数量 Batch quantity	100.33 kg	过期日期 Expiration date	Nov.22.2024

项目 Item	标准 Specification	结果 Result
指标成分 Maker Compounds	四氢胡椒碱 Tetrahydropiperine 98% (HPLC)	99.03%
性状检查 Organoleptic		
外观 Appearance	精细粉末 Fine Powder	符合 Conforms
颜色 Color	白色 White	符合 Conforms
气味 Odor	特有 Characteristic	符合 Conforms
味道 Taste	特有 Characteristic	符合 Conforms
物理性状 Physical Characteristics		
粒径 Particle Size	100% Through 80 mesh	符合 Conforms
干燥失重 Loss on Drying	≤ 5.0%	3.14%
灰分 Ash content	≤ 1.0%	0.08%
堆积密度 Bulk Density	45-60g/100ml	符合 Conforms
溶剂残留 Solvent Residue	Eur.Pharm	符合 Conforms
重金属 Heavy metals		
总量 Total Heavy Metals	≤ 10ppm	符合 Conforms
砷 Arsenic	≤ 2ppm	符合 Conforms
铅 Pb	≤ 2ppm	符合 Conforms
微生物检测 Microbiological Tests		
菌落总数 Total Plate Count	≤ 1000cfu/g	符合 Conforms
酵母菌及霉菌 Total Yeast & Mold	≤ 100cfu/g	符合 Conforms
大肠杆菌 E.Coli	阴性 Negative	阴性 Negative
沙门氏菌 Salmonella	阴性 Negative	阴性 Negative
葡萄球菌 Staphylococcus	阴性 Negative	阴性 Negative
结论 Conclusion	合格 The product is qualified.	
储存 Storage	密封、干燥、避光、低温 Stored in cool and dry places. Keep away from strong light and heat.	
包装 Packing	25公斤纸板桶 By 25kgs/Drum, inner by plastic bag.	
有效期 Shelf Life	24个月 24 months under the above condition, and in it's original package.	



Quality Assurance Officer: 蒲理国

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