

## 产品检测报告单

## Certificate of Analysis

品名 Product Name	α-酮戊二酸钙 (AKG-Ca) Calcium Alpha-Ketoglutarate	CAS#	71686-01-6
分子式 Formula	C <sub>5</sub> H <sub>4</sub> CaO <sub>5</sub>	分子量 Formula weight	184.16
生产日期 Production Date	2024-09-04	批号 Batch No.	XJYAKG240904
检测日期 Test Date	2024-09-08	包装规格 Pack Size	25Kg/Carton
有效期 Expiry Date	2 Years	检测依据 Specification	In-house
检测项目及结果 Test Items & Result			
检测项目 Test Items	规定 Specification	检测结果 Result	检测方法 MOA
外观 Appearance	白色或类白色粉末 White to off-white power	类白色粉末 Off-White Powder	Visual
纯度 Purity	≥98%	99.6%	HPLC
钙含量 Ca <sup>2+</sup> (on dried basis)	18-21%	20.0%	ICP-MS
水分 water	≤7.0%	3.7%	CP2015
pH 值	6.0-8.0	6.6	pH meter
干燥失重 loss on drying(%)	≤1.0%	0.35%	CP2015
重金属含量 heavy metal content			
铅 Pb	≤0.1 ppm	Conforms	GB5009.12
汞 Hg	≤0.1 ppm	Conforms	GB5009.17
镉 Cd	≤0.2 ppm	Conforms	GB5009.15
砷 As	≤0.1 ppm	Conforms	GB5009.11
微生物总数 Total microbial count	≤500CFU/g	<10	GB4789.2
大肠菌群 Coliform	≤0.92MPN/g	Conforms	GB4789.3
霉菌和酵母 Mold and yeast	≤50CFU/g	Conforms	GB4789.15
金黄色葡萄球菌 Staphylococcus aureus	0/25g	Conforms	GB4789.10
沙门氏菌 Salmonella	0/25g	Conforms	GB4789.4
结论 Conclusion	所有检验项目均符合规定 All inspection items are in conformity with the specifications.		
储存条件 Storage Condition	干燥，避光，常温储存 Keep dry and away from light, store at room temperature		

检测 Tested by: 王皖

批准 Approved by: 李勇 检章

