

**ZHEJIANG SHENZHOU
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CERTIFICATE OF ANALYSIS

C.O.A. NO: COA-K-YF240601

PRODUCT: POTASSIUM CANRENOATE	
BATCH NO: K-Y231001	
MFG.DATE: OCT 10, 2023	RETEST DATE: OCT 09, 2026
PACKING: 1kg/DRUM	QUANTITY: 1kg

Item	Specification	Results
Appearance	White or yellowish-white crystalline powder	white crystalline powder
Identification	IR: corresponds to reference standard	Complies
Specific rotation at 20 °C of solution 1% w/v in MeOH	-68.0°~-75.0°	-72.2°
Appearance of solution 1% w/v in methanol	< solution reference IV	Complies
	≤ solution reference GY ₃	Complies
Colour index	≤ 50.0	4.9
PH value in 1% aqueous solution	8.0 ~ 10.0	8.16
PH value in 5% aqueous solution	8.3 ~ 9.3	8.59
Specific Absorbance	642-682	667.5
Water content	≤ 0.5%	0.2%
Heavy metals	≤ 10ppm	< 10ppm
Related substances (HPLC)	Canrenone ≤ 0.15%	0.05%
	Any unspecified impurity ≤ 0.10%	0.02%
	Total impurities ≤ 0.5%	0.05%
Residual solvents (GC)	Ethanol ≤ 1000ppm	579.8ppm
	Acetone ≤ 1000ppm	148.1ppm
	Toluene ≤ 60ppm	Not found
Assay by titration	98.0 – 102.0%	100.6%
Assay by HPLC on dried basis	98.0 – 102.0%	99.8%
Conclusion: the above product conforms to factory standard		


Kegang Chen
QUALITY ASSURANCE DEPT.
