

SHANDONG KUNDA BIOTECHNOLOGY CO., LTD.

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CERTIFICATE OF ANALYSIS

PRODUCT: POTASSIUM SORBATE GRANULAR **ISSUE DATE:** MAY. 10, 2024

QUANTITY: 54,000KGS **BATCH NO.:** PS20250329-01

MANUFACTURING DATE: MAR. 29, 2025 **PO NO.:** 154/CEL/03/2025

EXPIRY DATE: MAR. 28, 2027 **SC NO.:** 25KDPS-149-0331-02

We hereby certify that the above mentioned goods have been inspected as follows:

ITEMS	SPECIFICATIONS	TEST RESULT
Appearance	White to off- white granular	Complies
Odor	Slight Characteristic odor	Complies
Solubility	Freely soluble in water and practically insoluble in ether	Complies
Heat stability	No change in color after heating for 90 minutes at 105°C	Complies
Identification Test	(1) Potassium test: Passes Test	Complies
	(2) Test of double bonds: Passes Test	Complies
	(3) UV: conforms with standard spectrum	Complies
	(4) Melting range:133°C~135°C	Complies
Loss On Drying (%)	≤1.0	0.10
Alkalinity (as K ₂ CO ₃ , %)	≤1	0.12
pH-Value(10% water solution)	8.5-10.5	9.5
Assay (dry weight basis,%)	99~101.0	100.7
Transmittance	≥87.0	91.79
Chloride (as Cl)	≤0.018%	<0.015
Sulfate (as SO ₄)	≤0.038%	<0.038
Organic volatile impurities	Meet the requirement	Complies
Aldehyde(as formaldehyde, %)	≤0.1	<0.1
Total Count Colony (cfu/g)	≤100	<100
Mould & Yeast (cfu/g)	≤100	<100
Colofirm (cfu/g)	≤30	<30
Heavy Metals(as Pb, mg/kg)	≤10	<10
Arsenic (as As, mg/kg)	≤0.1	<0.1
Lead (mg/kg)	≤0.1	<0.1
Mercury (mg/kg)	≤0.01	<0.01
Zinc (mg/kg)	≤0.1	<0.1
CONCLUSION	QUALIFIED (Comply with FCC/E202 Standard)	