

# SHANDONG KUNDA BIOTECHNOLOGY CO., LTD.

No.47, Nanyihuan Road, Yishui Economic Development Zone, Yishui County, Linyi City, Shandong Province, P.R. China

TEL.: 86-21-60930721 FAX: 86-21-60930725

## CERTIFICATE OF ANALYSIS

PRODUCT: POTASSIUM SORBATE GRANULAR      ISSUE DATE: Feb. 27, 2023  
QUANTITY: 27,000KGS      BATCH NO.: PS20230119-01  
MANUFACTURING DATE: Jan. 19, 2023      PO NO.: 291/CEL/02/2023  
EXPIRY DATE: Jan. 18, 2025      SC NO.: 23KDPS-149-0217B

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

ITEMS	SPECIFICATIONS	TEST
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	Complies
	(4) Melting range: 133°C~135°C	Complies
Loss On Drying (%)	≤1.0	0.10
Alkalinity (as K <sub>2</sub> CO <sub>3</sub> , %)	≤1	0.17
pH-Value(10% water solution)	8.5-10.5	9.5
Assay (dry weight basis,%)	99~101.0	100.40
Transmittance	≥87.0	93.62
Chloride (as Cl)	≤0.018%	<0.015
Sulfate (as SO <sub>4</sub> )	≤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)	≤2	<2
Lead (mg/kg)	≤2	<2
Mercury (mg/kg)	≤1	<1
<b>CONCLUSION</b>	<b>QUALIFIED (Comply with FCC/E202 Standard)</b>	

