

Certificate of Analysis

-Product name:	Potassium Sorbate Pellet	-E-number : E202/590-00-1
-Chemical formula:	C ₆ H ₇ KO ₂	-CAS No.: 24634-61-5
-Order No.:	DSI2397	-Lot number:24052706
-Manufacturing date:	MAY,27.2024	-Expiry date:MAY,26.2026
-Quantity:	12500KG	-Revalidation date:MAY,26.2027
Item	Specification	Result
Appearance	White to off-white pellet	White pellet
Odor	Slight characteristic odor	Passes
Solubility	Freely soluble in water and practically insoluble in ether	Passes
color of solution	70 Max	<70
Heat stability	No change in color after heating for 90 minutes at 105℃	Passes
Light stability	No change in color after an hour light	Passes
Foreign material analysis	No obvious foreign material through 0.8 μ m filter	Passes
Identification	(1) Potassium test: Passes Test (2) Test of double bonds: Passes Test (3) UV: conforms with standard spectrum (4) Melting point:133.0~135.0℃	Passes Passes Passes 133.3℃
Assay	99%~101.0%	99.2%
Alkalinity(as K ₂ CO ₃)	≤ 0.8ml of 0.1N hydrochloric acid	Passes
Chloride(as Cl)	0.018% max	<0.018%
Sulfate(as SO ₄)	0.038% max	<0.038%
Heavy metals(as Pb)	10mg/kg max	<10mg/kg
Arsenic	3mg/kg max	<3mg/kg
Loss on drying	0.8% max	0.2%
Aldehydes (as formaldehyde)	0.1% max	<0.1%
Lead	2mg/kg max	<2mg/kg
Mercury	1mg/kg max	<1mg/kg
Total Count Colony	100cfu/g max	<100cfu/g
Mould&Yeast	100cfu/g max	<100cfu/g
Coliform	Absent in 25g	Passes
Salmonella sp	Absent in 25g	Passes
Staphylococcus	Absent in 25g	Passes

Note: The quality of our Potassium Sorbate Pellet meets international standards such as: Purity requirements of the FAO/WHO and FCC VI and USP .