

Kalchem International

Chemicals & Compounding Supplies

Certificate of Analysis

Product name:	Potassium Sorbate Powder FCC VIII/E202	
Order No.:	74216C0E	
Lot No.:	1407062	
Manu. Date:	JUL,06.2014	
Expi. Date:	JUL,05.2016	
Quantity:	2,000KGS	
Item	Specification	Result
Appearance	White powder	White powder
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 °C	Passes
Light stability	No change in color after an hour light	Passes
Foreign material analysis	No obvious foreign material through 0.8µm filter	Passes
Identification test	(1) Potassium test: Pass Test (2) Test of double bonds: Passes Test (3) UV: conforms with standard spectrum (4) Melting point: 133.0~135.0 °C	Passes
Assay	99%~101.0%	99.6%
Alkalinity(as K ₂ CO ₃)	≤ 0.4ml of 0.1N hydrochloric acid	Passes
Chloride(as Cl)	0.018% max	<0.018%
Sulfate(as SO ₄)	0.020% max	<0.020%
Heavy metals(as Pb)	10mg/kg max	<10mg/kg
Arsenic (as As)	3mg/kg max	<3mg/kg
Loss on drying	0.8% max	0.3%
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	30cfu/g max	<30cfu/g
Conclusion:		
The quality of our potassium sorbate powder meets the standard FCC VIII/E202		

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