



Certificate of Analysis Potassium Sorbate Granular (E202)

Batch No.: PS20170726001 Manufacturing Date:2017.7.26		Expiry date: 2019.7.25	
Test date:2017.7.26			
Parameters	Specification	Standard	Result
Appearance	White to off-white Granular.	E202/FCCIX	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	E202	Complies
	(2) Test of double bonds:Passes Test	E202	Complies
	(3) UV: conforms with standard spectrum	\	Complies
	(4) Melting range: 133 °C~135°C	E202	133 °C-133.6 °C
Assay	NLT99.0 % and NMT 101.0% on the dried basis.	E202/FCCIX	100.60%
PH-Value (10% water solution)	8.5-10.5	E202/FCCIX	9.3
Transmittance	≥87.0%	E202/FCCIX	90.93
Clarify	Passes test	E202/FCCIX	Complies
Organic Volatile Impurities	Meet the requirement	E202/FCCIX	Complies
Cadmium	≤0.02mg/kg	E202/FCCIX	<0.02
Loss on drying	NMT 1.0 % (105 °C, 3 hours)	E202/FCCIX	0.07%
Chloride(as CL)	NMT 0.018 %	E202/FCCIX	<0.018 %
Sulfate(as SO ₄)	NMT 0.038 %	E202/FCCIX	< 0.038 %
Acidity or alkalinity	NMT 1.0 % (as sorbic acid or K ₂ CO ₃)	E202/FCCIX	<0.1%
Aldehydes	NMT 0.1 %, calculated as formaldehyde	E202	<0.1%
Arsenic	NMT 3 mg/kg	E202	<3mg/kg
Lead	NMT 2 mg/kg	E202/FCCIX	<2mg/kg
Mercury	NMT 1 mg/kg	E202	<1mg/kg
Heavy Metals (as Pb)	NMT 10mg/kg	\	<10mg/kg
Total Count Colony	NMT100cfu/g	\	<100cfu/g
Mould&Yeast	NMT100cfu/g	\	<100cfu/g
Coliform	NMT30cfu/g	\	<30cfu/g

Shelf Life 2 YEARS

CONCLUSIONS : COMPLIES WITH E202 AND FCC IX.

SHA DO G KUNDA BIOTECHNOLOGY COMPANY LIMITED

Signature

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