



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	NLT 99.0 % 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	≤ 0.02 mg/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	< 3m
Lead	NMT 2 mg/kg	E202/FCCIX	< 2m
Mercury	NMT 1 mg/kg	E202	< 1m
Heavy Metals (as Pb)	NMT 10 mg/kg	\	< 1
Total Count Colony	NMT 100 cfu/g	\	< 100 cfu/
Mould & Yeast	NMT 100 cfu/g	\	< 100 cfu/
Coliform	NMT 30 cfu/g	\	< 30 cfu/
Shelf Life 2 YEARS			

The Soap Kitchen
Unit 8 Caddsdwn Industrial Park, Clovelly Road, Bideford,
Devon EX39 3DX
Tel: 01237 420872 (+44 (0)1237 420872)
Email: it@thesoapkitchen.co.uk