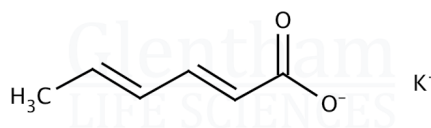


Certificate of Analysis

Product Name	Potassium sorbate, granular, BP, Ph. Eur., USP, FCC grade
Glenthams Code	GK5815
CAS Number	24634-61-5
EINECS	246-376-1
MDL Number	MFCD00016546
Additional CAS	590-00-1
Batch Number	726LHS



Molecular Weight	150.22
Molecular Formula	C ₆ H ₇ KO ₂
Storage Temp.	+20°C

Property	Specification	Batch 726LHS
Physical Description	White or almost white granules	White granules
Identification (UV-VIS)	To pass test	Conforms
Test for Potassium	To pass test	Conforms
Melting Point	133.0 - 136.0 °C	Conforms
Solubility (5% in water)	Clear, colourless solution	Clear, colourless solution
pH (10% in water)	8.5 - 10.5	10.0
Acidity or Alkalinity	To pass tests	Conforms
Aldehydes	≤ 0.15%	< 0.10%
Thermal Stability (105°C)	To pass tests	Conforms
Organic Volatile Impurities	To pass all BP, Ph. Eur., USP tests	Conforms
Heavy Metals (as Pb)	≤ 10ppm	< 10ppm
Arsenic (As)	≤ 3ppm	< 0.10ppm
Lead (Pb)	≤ 2ppm	< 0.10ppm
Mercury (Hg)	≤ 1ppm	< 0.01ppm
Cadmium (Cd)	≤ 0.1ppm	< 0.02ppm
Chloride (Cl)	≤ 0.02%	< 0.003%
Sulphate (SO ₄)	≤ 0.05%	< 0.003%
Loss on Drying	≤ 1.0% (105°C)	0.22%
Assay	99.0 - 101.0 % (dried substance)	100.2%
Pharmacopoeia Specification(s)	BP, Ph. Eur., USP, FCC	Conforms

Specification Version	v1.0
Manufacture Date	2023-05-07
Re-Test Date	2030-04-26

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glenthams.com or contact us using the details above for the current version of this document.

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