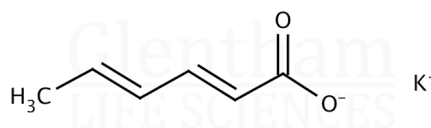


## Certificate of Analysis

Product Name	Potassium sorbate, granular, BP, Ph. Eur., USP, FCC grade
Glentham 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 <sub>6</sub> H <sub>7</sub> KO <sub>2</sub>
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 <sub>4</sub> )	≤ 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

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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