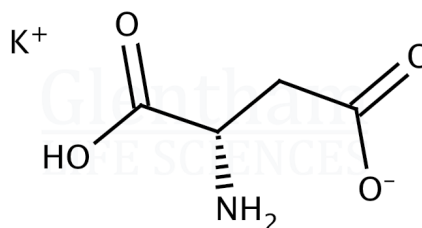


Product Specification

Product Name	Potassium hydrogen aspartate hemihydrate, EP grade
Glentham Code	GM1291
CAS Number	1115-63-5
EINECS	214-226-4
MDL Number	MFCD00063085
Additional CAS	14007-45-5

Molecular Weight	171.19 (anhydrous)
Molecular Formula	$C_4H_6KNO_4 \cdot xH_2O$
Storage Temp.	+20°C



Property	Specification
Physical Description	White to almost white crystalline powder, or colourless crystals
Specific Optical Rotation	+18.0 - +20.5 ° (anhydrous substance)
Identification (TLC)	To pass test
Identification	Reaction of potassium: To pass test
Solubility (2.5% in water)	Clear, colourless solution
pH (2.5% in water)	6.0 - 7.5
Ninhydrin-positive substances	To show two principle spots
Ninhydrin-positive substances	≤ 0.5% (any individual)
Chlorides	≤ 200ppm
Sulphates	≤ 500ppm
Ammonium (NH4)	≤ 200ppm
Iron (Fe)	≤ 30ppm
Water	4.0 - 6.0 %
Assay	99.0 - 101.0 % (anhydrous substance)
Pharmacopoeia Specification(s)	EP

Specification Version	- v1.0
Date Created	- 2016-11-08

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 or contact us using the details above for the current version of this document.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2025