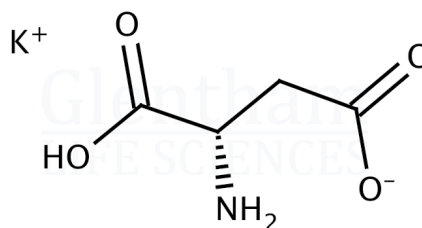


Product Specification

| | |
|----------------|--|
| 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.

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