

## Product Specification

Product Name : Acesulfame K, BP, Ph. Eur., USP grade  
Glentham Code : GW2311  
CAS Number : 55589-62-3  
EINECS : 259-715-3  
MDL Number : MFCD00043833

Molecular Weight : 201.24  
Molecular Formula : C<sub>4</sub>H<sub>4</sub>KNO<sub>4</sub>S  
Storage Temp. : +20°C

Property	Specification
Physical Description	White crystalline powder, or colourless crystals
Identification	According to BP, Ph. Eur., USP
Solubility (20% in water)	Clear, colourless solution
Acidity or Alkalinity	≤ 0.2ml (0.01M HCl or 0.01M NaOH)
Impurity A	≤ 0.125% (acetylacetamide)
Impurity B	≤ 20ppm (5-chloro-6-methyl-1,2,3-oxathiazin-4(3H)-one 2,2-dioxide)
Any Unspecified Impurity	≤ 0.1%
Total Impurities	≤ 0.1%
Organic Impurities	≤ 20ppm (USP test)
Fluorides	≤ 3ppm
Heavy Metals	≤ 5ppm
Arsenic (As)	≤ 3ppm
Lead (Pb)	≤ 1ppm
Selenium (Se)	≤ 10ppm
Mercury (Hg)	≤ 1ppm
Cadmium (Cd)	≤ 1ppm
Loss on Drying	≤ 1.0%
Assay	99.0 - 101.0 % (dried substance)
Pharmacopoeia Specification(s)	BP, Ph. Eur., USP

Specification Version : v1.0  
Date Created : 2016-12-21

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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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