

Specification

Technical Data Sheet

CAS**55589-62-3****STORAGE****Ambient****MOLECULAR WEIGHT****201.24****PRODUCT****Acesulfame K**

Product number	90027214
CAS number	55589-62-3
Molecular formula	C ₄ H ₄ KNO ₄ S
Molecular weight	201.24 g/mol

PARAMETER**SPECIFICATION**

Appearance	White, odourless powder
Assay	99.0 - 101.0%
Heavy metals	≤ 5ppm
Impurity A	≤ 0.125%
Impurity B	≤ 20ppm
Loss on Drying	≤ 1%
pH	5.5 - 7.5
Salmonella	Negative
Total plate count	≤ 200 cfu/g
Acidity	Passes test
Fluoride (F-)	≤ 3ppm
Insolubles	≤ 75ppm
Organic impurities	≤ 20ppm
Precipitation Test	Yellow precipitate
Solubility test in ethanol	Slightly soluble
Total Coliforms	≤ 10 MPN/g

PARAMETER	SPECIFICATION
UV Absorbance	225 - 229 nm
Water insoluble matter	Freely soluble
Arsenic (As)	≤ 3ppm
E. Coli	Negative
Lead (Pb)	≤ 1ppm
Mercury (Hg)	≤ 1ppm
Mould & Yeast	≤ 100 cfu/g
Potassium (K)	17.0 - 21.0%
Selenium (Se)	≤ 10ppm
Sulphates (SO₄)(2-)	≤ 0.1%

SPECIFICATION STATEMENT	The values stated above represent the standard specification for this product, issued under Molekula Ltd 's quality management system. Batch-specific results are provided on the Certificate of Analysis.
STORAGE	Store as indicated on the product label, away from light, moisture and incompatible materials.

Molekula Ltd would like to thank you for your support of our products and service.
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