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Specification

Technical Data Sheet

CAS	SPECIFICATION	STORAGE	MOLECULAR WEIGHT
1264-72-8	**v1 · 06 Oct 2026**	**2 to 8 °C**	**1253.51**

PRODUCT

Colistin Sulfate (MWE)

Product number	90038270
CAS number	1264-72-8
Molecular formula	C52H98N16O13 . H2SO4
Molecular weight	1253.51 g/mol

PARAMETER	SPECIFICATION
Appearance	White or slight yellow powder
Loss on Drying	≤3.5%
pH	4.0 - 6.0
Salmonella	Absence
Escherichia coli	Absence
Solubility	Freely soluble in water, slightly soluble in ethanol (96%)
Sulphated Ash	≤1.0%
Total Aerobic Bacteria	≤1000cfu/g
Total Impurities	≤11.0%
Any Unidentified Impurity	≤2.5%
Mould & Yeast	≤100cfu/g
Potency (Dry Basis)	≥ 19000 IU/mg
Sulfate (on dried basis)	16.0 - 18.0%

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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