



CERTIFICATE OF ANALYSIS

AS-8040

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Dipotassium Phosphate (K_2HPO_4), FCC

Template Certificate of Analysis — batch-specific details are completed and issued with each shipment.

PRODUCT & BATCH INFORMATION

Product Name	Dipotassium Phosphate (Dipotassium Hydrogen Phosphate), FCC
Catalogue Number	AS-8040
CAS Number	7758-11-4
Grade	FCC (Food Chemicals Codex)
Batch / Lot Number	[Stated on batch label]
Manufacture Date	[Stated on batch label]
Expiry Date	[Stated on batch label]

CERTIFICATE OF ANALYSIS RESULTS

Test Parameter	Specification	Method	Result
Assay (as K_2HPO_4 , anhydrous)	$\geq 98.0\%$	Titrimetric / ICP	Conforms
Appearance	White crystalline powder or granules	Visual	Conforms
pH (1% w/v, 25°C)	8.5 – 9.6	Potentiometric	Conforms
Loss on Drying (105°C, 1 hr)	$\leq 2.0\%$	Gravimetric	Conforms
Heavy Metals (as Pb)	≤ 10 ppm	ICP-OES	Conforms
Insoluble Matter	$\leq 0.2\%$	Gravimetric	Conforms
Chloride (as Cl^-)	≤ 200 ppm	Argentometric	Conforms
Sulfate (as SO_4^{2-})	≤ 300 ppm	Turbidimetric	Conforms
Arsenic (as As)	≤ 3 ppm	ICP-OES	Conforms
Fluoride (as F^-)	≤ 10 ppm	ISE	Conforms
Solubility	Freely soluble in water	Visual	Conforms

REPORT: The batch identified above complies with the specifications of the standard.

TRACEABILITY

Manufacturer / Packer	AuSaMicS Pty Ltd, 36/25 Trafalgar Road, Epping VIC 3076, Australia
Storage Conditions	15–30°C, dry, sealed, away from moisture
Intended Use	Food processing, fermentation, laboratory, and industrial applications

This is a template Certificate of Analysis format. A batch-specific Certificate — with actual batch number, manufacture/expiry dates, and analytical results for the lot supplied — is issued with every shipment.

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