

Specification

Technical Data Sheet

CAS**130-40-5****STORAGE****-15 to -20 °C****MOLECULAR WEIGHT****478.33****PRODUCT****Riboflavin-5'-phosphate monosodium salt dihydrate Food grade**

Product number	90035603
CAS number	130-40-5
Molecular formula	C ₁₇ H ₂₀ N ₄ NaO ₉ P · xH ₂ O
Molecular weight	478.33 g/mol

PARAMETER**SPECIFICATION**

Appearance	Yellow to orange yellow crystalline powder
Assay	73.0 ~ 79.0%
Acetonitrile	≤0.041%
Conclusion	USP/ BP/EP
Heavy metals	≤10 mg/kg
Identification	Postive
Loss on Drying	≤7.5%
pH	5.0 - 6.5
Specific rotation	+37.0° ~ +43.0°
Aerobic Bacterial Count	≤800cfu/g
Ethanol	≤0.5%
Inorganic Phosphate	≤2.0%
Limit of Lumiflavin	≤0.025
Pyridine	≤0.02%
Residue on Ignition	≤25.0%
E. Coli	No detection

PARAMETER	SPECIFICATION
Free Phosphates	A sample solution $\leq$ A control solution
Mould & Yeast	≤ 80 cfu/g
Related Substance	Free Riboflavin $\leq 6.0\%$ or Riboflavin di-Phosphate $\leq 6.0\%$

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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