

Product Name: D-Ribose Powder		
Synonym: D-ribo-pentopyranose		
CAS number: 50-69-1	EC number: 200-059-4	
Molecular formula: C5H10O5	Molecular weight: 150.13 g/mol	
Standard: AJI97	Specification ref.: R1_V3	
Batch Number: 20240411	Manufacturing Date: 25-04-2024	
Expiry Date: 24-04-2026	Principle ref.: BPM106	
Analysis	Specification	Result
Appearance	White to almost white crystals or crystalline powder	Conforms
State of Solution (Transmittance) (5% Aqueous solution)	Colourless, not less than 95%	Conforms
Specific rotation	-18.0° to -22.0°	Conforms
Assay [HPLC]	97.0% to 102.0%	99.5%
Loss on drying	NMT 3.0%	0.12%
Residue on ignition (Sulphated)	NMT 0.2%	0.04%
Lead (Pb)	NMT 3 ppm	Conforms
Arsenic (As)	NMT 2 ppm	Conforms
Cadmium (Cd)	NMT 1 ppm	Conforms
Mercury (Hg)	NMT 0.1 ppm	Conforms
Total plate count	NMT 100 CFU/ g	<10 CFU/ g
Yeast & mould	NMT 100 CFU/ g	<10 CFU/ g
Salmonella	Negative/ 25 g	Conforms

Conclusion: This product conforms to the Specification and standards mentioned above.

Storage conditions: Store at room temperature, away from heat, light, and moisture.

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