

Product Name: D-Ribose Powder		
CAS number: 50-69-1	EC number: 200-059-4	
Molecular formula: C5H10O5	Molecular weight: 150.13 g/mol	
Standard: AJI97	Specification ref.: R0_V0	
Preparation type: Fermentation	Starting materials: Proprietary Fermentation media	
Extraction solvent: Not applicable	Other solvents used in manufacturing: None	
Batch number: 20181013	Manufacturing Date: 18-10-2018	
Expiry Date: 17-10-2023	Principle ref.: BPM106	
Analysis	Specification	Result
Appearance	White to almost white crystals or crystalline powder	Conforms
State of Solution (Transmittance)	Colourless, Not less than 95%	99.5%
Specific rotation	-18.0° to -22.0°	-20.1°
Assay [HPLC]	97.0% to 102.0%	98.8%
Other Saccharides (TLC)	Negative	Conforms
Loss on drying	NMT 3.0%	0.14%
Residue on ignition (Sulphated)	NMT 0.2%	0.05%
Heavy Metals (Pb)	NMT 10 ppm	<5 ppm
Arsenic (As)	NMT 2 ppm	<0.5 ppm
Total plate count	NMT 1,000 CFU/ g	Conforms
Yeast & mould	NMT 100 CFU/ g	Conforms
E. Coli	Negative/ g	Conforms
Salmonella	Negative/ 25 g	Conforms

Conclusion: This product conform to the specification and standards mentioned above.

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

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