

Certificate of Analysis

Product Name: **D-Ribose**
 CAS #: **50-69-1**
 Molecular Formula: **C₅H₁₀O₅**
 Molecular Weight: **150.13**
 Starting Material: **Glucose**
 Solvents: **None**
 Country of Origin: **China**
 Batch Number: **Varies**
 Manufacture Date: **Varies**
 Retest Date: **Varies**

Test Results Obtained by PureBulk

ITEMS	SPECIFICATIONS	RESULTS
D-Ribose (HPLC-RI)	≥97.0%	98.35%
Aerobic Plate Count	≤1000 cfu/g	<20 cfu/g
Coliforms	≤100 cfu/g	<20 cfu/g
<i>E. Coli</i>	Negative	Absent
<i>Staph aureus</i>	Negative	Absent
Yeast & Mold	≤100 cfu/g	<20 cfu/g
<i>Salmonella</i>	Negative	Absent
<i>Pseudo. aeruginosa</i>	Negative	Absent
Conclusion (PureBulk):	This product conforms to standards	

The following information is an indirect translation of information provided from the Manufacturer's Certificate of Analysis, and should not be used solely as an instrument for strict quality control.

ITEMS	SPECIFICATIONS	RESULTS
Appearance	White to off white Powder	Conforms
Identification	IR: Positive	Conforms
Specific Rotation	-18.0°C to -22.0°C	-20.0°C
Impurities	<1.0%	Conforms
Loss on Drying	≤0.5%	0.06%
Residue on Ignition	≤0.20%	0.02%
State of Solution	≥95.0%	99.5%
Heavy Metals	≤10 mg/kg	Conforms
Arsenic	≤0.1 mg/kg	Conforms
Lead	≤2 mg/kg	0.01 mg/kg
Other Saccharides	Not Detected	Conforms
Cadmium	≤0.3 mg/kg	Conforms
Mercury	≤0.1 mg/kg	Conforms
Mesh Size	30-100 mesh	Conforms
Tapped Density	≥0.7 g/ml	0.88
Bulk Density	≥0.6 g/ml	0.83
Conclusion (Manufacturer):	This product conforms to AJI 92 standards	

Additional Information: Vegan/Vegetarian || Allergen Free || BSE/TSE Free
Sterilization Method: Non-Irradiated
Composition: D-Ribose ≥99%
 Impurity ≤1%
GMO Statement Non-GMO
Storage Conditions: **Keep in sealed container under 25°C.**
Keep away from strong light, heat and moisture.

Purebulk.Inc verifies that the information contained herein is true and correct to the best of our knowledge.

Verified By: Ann Foote / Nicole Rammage / Candace Gibson

(This document was produced electronically and is valid without signature.)