

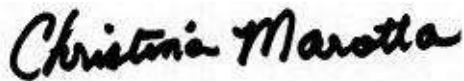
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## Certificate of Analysis

**Product Description:** L-(+)-Arabinose  
**Catalog Number:** 100706  
**Lot:** MR30759**Formula:** C<sub>5</sub>H<sub>10</sub>O<sub>5</sub>  
**CAS #:** 5328-37-0  
**Physical Description:** White Granules**Formula Weight:** 150.1  
**Storage:** Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥98%	99%
FTIR	Conforms to Standard	Conforms to Standard
Optical Rotation (c=1, water)	+100° to +110°	108.33°
Melting Point	152-165°C	155-156.3°C

D-Arabinose: 0.05%  
Moisture: 0.2%  
Residue on Ignition: 0.00%  
Heavy Metals: <5 mg/kg  
Arsenic: <1 mg/kg  
Chloride: <100 mg/kg  
Sulfate: <50 mg/kg



10/08/2013 - Christina Marotta  
MP Biomedicals, LLC.  
Technical Director

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