

Product No.: H54447  
Product: beta-D-Lactose, contains ~70% beta and ~30% alpha  
Lot No.: P16D012

Appearance	White to off-white powder
β-Lactose	71.7 %
α-Lactose	28.3 %
Solution test (5 % in water)	Complete, clear, colorless solution
Loss on drying	0.40 %
Residue on ignition	0.03 %
Specific rotation	55.2 °
Heavy metals	5 ppm max
E.coli	Absent
Standard plate count	1 CFU/g
Yeast and mold	3 CFU/g

Order our products online [alfa.com](https://www.alfa.com)

**This document has been electronically generated and does not require a signature.**

This is to certify that units of the lot number above were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the purchaser, formulator or those performing further manufacturing to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The above information is the actual analytical results obtained.