

## Certificate of Analysis

Date of Testing: 2024-03-20 09:39:06  
Date of Next Testing: 2028-03-19 09:39:06  
Product Name: **Lactosum , anhydrous**  
CAS Number: 63-42-3  
Specifications & Purity: Ph Eur,USP,NF,JP  
Lot #: C2413238  
SKU #: **L103493**  
Analysis: **333719**

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	1.00 ppm
Insoluble matter	0-0.005 (%)	0.00 %
Iron(Fe)	0-5 (ppm)	0.00 ppm
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})(\text{calcd. on anh. substance})$	54.4-59.9 (°)	54.41 °
Ignition Residue (as sulfate)	0-0.03 (%)	0.00 %
Water by Karl Fischer	0-1 (%)	0.39 %
Appearance (L103493)	white powder	White powder
Dextrose	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager