

Certificate of Analysis

Date of Testing: 2024-03-20 10:00:04
Date of Next Testing: 2028-03-19 10:00:04
Product Name: **Lactosum , anhydrous**
CAS Number: 63-42-3
Specifications & Purity: Ph Eur,USP,NF,JP
Lot #: C2413239
SKU #: **L103493**
Analysis: 333792

| Parameter | Limit Values | Result |
|---|-----------------------|-----------------------|
| Heavy metal (as Pb) | 0-5 (ppm) | 0.25 ppm |
| Insoluble matter | 0-0.005 (%) | 0.00 % |
| Iron(Fe) | 0-5 (ppm) | 0.30 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 (%) | 0.01 % |
| 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