

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: Lactobionic acid,97%

ITEM NUMBER: L109639  
BRAND: Aladdin  
CAS NUMBER: 96-82-2  
MDL NUMBER: MFCD00078147  
FORMULA: C<sub>12</sub>H<sub>22</sub>O<sub>12</sub>  
MOLECULAR WEIGHT: 358.30

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	White or off-white powder		
Infrared spectrum	Conforms to Structure		
Purity (Back Titration by HCl)	96.5 %	103.5 %	103.5 %
Solubility	Clear,Colorless,5% in H <sub>2</sub> O		
Specific rotation [α] <sub>20</sub> /D(C=8.8, H <sub>2</sub> O)(after 4hrs)	++21 °	+27 °	++27 °
Water by Karl Fischer	0 %	5 %	5 %