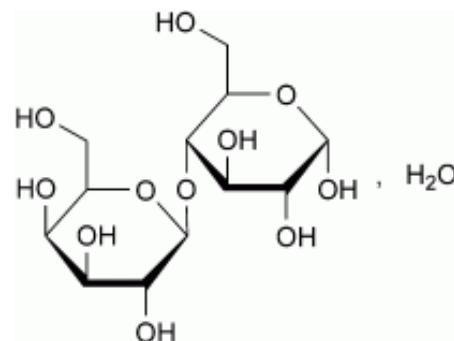


## PRODUCT      Lactose Monohydrate Ph. Eur.

CAS no.                      [63-42-3]

CHARACTERISTICS      White or almost white, crystalline powder.  
 Freely but slowly soluble in water,  
 practically insoluble in ethanol (96%).



TEST	SPECIFICATION	
<b>Identification</b>	Complies with EP/BP tests	
<b>Appearance of solution</b>	The solution is clear and not more intensely coloured than reference solution BY7	
<b>Acidity or alkalinity</b>	Not more than 0.4mL of 0.1 M NaOH is required to change the colour of the indicator to pink or red	
<b>Specific optical rotation</b>	+54.4° to +55.9° (anhydrous substance)	
<b>Heavy metals</b>	Maximum 5ppm	
<b>Water</b>	4.5% to 5.5%	
<b>Sulfated ash</b>	Maximum 0.1%	
<b>Microbial contamination</b>	TAMC: Maximum 10 <sup>2</sup> CFU/g; Absence of E. Coli	
<b>Absorbance</b>	At 400nm	Maximum 0.04 for test soln. (a)
	210nm to 220nm	Maximum 0.25 for test soln. (b)
	270nm to 300nm	Maximum 0.07 for test soln. (b)

**ENQUIRY**