



## SPECIFICATION

### 2-Nitrophenyl b-D-galactopyranoside

Product Code:	EN06363
Synonyms:	ONPG
CAS Number:	369-07-3
Chemical Formula:	$C_{12}H_{15}NO_8$
Molecular Weight:	301.25

#### TECHNICAL SPECIFICATION

Appearance:	White to off-white powder	
Purity (HPLC):	min 98%	
Purity (TLC):	One spot	
Specific optical rotation $[\alpha]_D$	-65 to -73°	<sup>20</sup> (c=1, H <sub>2</sub> O):
Water content (Karl Fischer):	max 0.5%	
Identity (FTIR):	Conforms to structure	
Solution (1% in H <sub>2</sub> O):	Clear, colourless to slightly yellow solution	