



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°	²⁰ (c=1, H ₂ O):
Loss on drying:	max 0.1%	
Identity (FTIR):	Conforms to structure	
Solution (1% in H ₂ O):	Clear, colourless to slightly yellow solution	
Impurity (Free ONP):	max 100ppm	