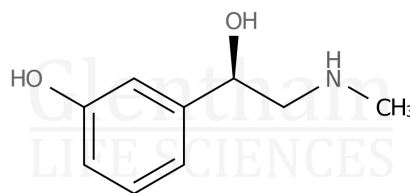


## Certificate of Analysis

Product Name	L-Phenylephrine, EP grade
Glentham Code	GP2892
CAS Number	59-42-7
EINECS	200-517-3
MDL Number	MFCD00044749
Additional CAS	61-76-7 ( $\cdot$ HCl)
Batch Number	285OCK
Molecular Weight	167.21
Molecular Formula	$C_9H_{13}NO_2$
Storage Temp.	+20°C



Property	Specification	Batch 285OCK
Physical Description	White or almost white crystalline powder	Conforms
Identification	A, B, C, D to pass according to EP	Conforms
Solubility (10% in 1M HCl)	Clear, colourless solution ( $\leq$ Y7)	Conforms
Specific Optical Rotation	-53.0 - -57.0 ° (c=5, 1M HCl, dried)	-55.1°
Impurity C	$\leq$ 0.1%	$\leq$ 0.05%
Impurity E	$\leq$ 0.1%	$\leq$ 0.05%
Any Unspecified Impurity	$\leq$ 0.1%	0.06% (max.)
Total Impurities	$\leq$ 0.2%	0.11%
Sulphated Ash	$\leq$ 0.1%	0.05%
Loss on Drying	$\leq$ 0.5% (105°C)	0.10%
Assay	99.0 - 100.5 % (dried substance)	99.1%
Pharmacopoeia Specification(s)	EP	Conforms to EP

Specification Version	v1.0
Manufacture Date	2017-11-29
Re-Test Date	2022-12-05

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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