

Lonza Guangzhou Nansha Ltd.  
68, Huangge Dadaobei, Nansha District  
Guangzhou, 511455, Guangdong Province, China  
Tel. +86-20-3497 3888  
Fax +86-20-3497 1188

## Certificate of Analysis

Substance name	<b>Glydant</b>		
Abbreviation	<b>Glydant</b>		
Formula	C <sub>7</sub> H <sub>12</sub> N <sub>2</sub> O <sub>4</sub>	CAS number	[6440-58-0]
Material	178180	Specification	G3-01343PA.1
Delivery note	7493278	Production date	05-MAR-2016
Sample	2376985	Expiry date	05-MAR-2019
Batch	111603002	Analysis date	07-MAR-2016
Customer batch	-----	Customer order	4515133285
		Customer article	-----
Manufacturing site	Lonza Guangzhou Nansha Ltd. 68, Huangge Dadaobei, Nansha District, Guangzhou, Guangdong Province, China (511455) Tel +86 20 3497 3888, Fax +86 20 3497 1188, contact.cn@lonza.com		
Comment	-----		
Remark	-----		

Test	Result	Unit	Specification
Appearance G3000001UA.1/1/CNGZ-4534.1	Clear, free from foreign matter	-----	Clear, free from foreign matter
Free formaldehyde (titr.) G3-01343PA.1/1/CNGZ-4535.1	1.1	%w/w	<=2.0
Total formaldehyde (titr.) G3-01343PB.1/1/CNGZ-4536.1	18.0	%w/w	17.0 - 18.2
Water (KF) G3-01343PC.1/1/CNGZ-4537.1	44.7	%w/w	44.0 - 46.0
pH G3-01343PD.1/1/CNGZ-4538.1	7.2	-----	6.5 - 7.5
Colour (APHA) G3-01343PE.1/1/CNGZ-4540.1	8	-----	<=10
For the lab: Wei Guo 08-MAR-2016 QC Chemist			

This certificate is the output of protected data and is signed electronically in compliance with the law.