PIPES
Ultrapure Bioreagent
(piperazine-N,N'-bis(2-ethanesulfonic acid))





Material No.: 4265-01 Batch No.: 0000018675

Manufactured Date: 2010/03/10 Retest Date: 2015/03/09

Certificate of Analysis

Test	Specification	Result
Assay (C8H18N2O6S2)	>= 99.0 %	99.1
Appearance	Passes Test	PT
DNase Activity (None Detected)	Passes Test	PT
RNase Activity	Passes Test	PT
Protease Activity	Passes Test	PT
ACS – Heavy Metals (as Pb)	<= 5 ppm	< 3
ACS – Insoluble Matter	<= 0.005 %	< 0.001
Residue after Ignition	<= 0.30 %	< 0.10
pK^a at 20°C	>= 0.00	6.80

For Laboratory, Research, or Manufacturing Use

Country of Origin: CN

Packaging Site: Paris Mfg Ctr & DC



Phillipsburg, NJ 9001:2008, 14001:2004
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003
Gliwice, Poland 9001:2008, 17025:2005
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2008, 17025:2005
Panoli, India 9001:2008

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