

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-01-12 13:39:42
 Date of Next Testing: 2030-01-11 13:39:42
 Product Name: **1,4-Piperazinediethanesulfonic acid(PIPES)**
 CAS Number: 5625-37-6
 Specifications & Purity: for cell culture, ≥99%
 Lot #: A2608405
 SKU #: **P105092**
 Version: **0**
 Analysis #: **631393**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
UV Absorbance 290nm(20% in 1N NaOH)	0-0.1	0.01600
Heavy metal (as Pb)	0-5 (ppm)	0.00000 ppm
Endonuclease Detection	0-0.1 (EU/g)	0.10000 EU/g
standard plate count	0-100 (cfu/g)	80.00000 cfu/g
Purity (Titration by H2SO4)	99-100 (%)	99.27000 %
Appearance (P105092)	White Crystals, Powder or Crystalline Solid	White Crystals, Powder or Crystalline Solid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1N	pass	Pass
NaOH , Colorless,Clear,250mg/ml		
Cell Culture Test	pass	Pass
RNASE, DNASE, NICKASE AND PROTEASE	none detected	none detected



John Su
QA & QC Manager