

Certificate of Analysis

Date of Testing: 2023-07-26 17:33:27
Date of Next Testing: 2027-07-25 17:33:27
Product Name: **N-(2-Hydroxyethyl)piperazine**
CAS Number: 103-76-4
Specifications & Purity: $\geq 98\%$
Lot #: G2319552
SKU #: **H101744**
Version: **0**
Analysis #: **048317**

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.00 %
Density (20°C)	1.061-1.063	1.06
Water by Karl Fischer	0-0.5 (%)	0.25 %
Refractive index n ₂₀ /D	1.5055-1.5075	1.51
Appearance (H101744)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager