Certificate of Analysis

PG-11047

Cat. No.: HY-16395 CAS No.: 308145-19-9 Batch No.: 285664

Chemical Name: 2-Butene-1,4-diamine, N1,N4-bis[3-(ethylamino)propyl]-, (2Z)-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: $C_{14}H_{32}N_4$ 256.43 Molecular Weight:

Storage: Pure form -20°C 3 years

> 2 years 4°C

In solvent -80°C 6 months

1 month -20°C

Chemical Structure:

ANALYTICAL DATA

Appearance: Light yellow to yellow (Oil) ¹H NMR Spectrum: Consistent with structure

Purity (NMR): ≥98.0%

Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA