

# Certificate of Analysis

## Diethylene glycol

**PurTech** Standard for GC  
Secondary Reference Standard

<b>Product Number</b>	PSI072	<b>CAS No.</b>	111-46-6
<b>Pack Size</b>	100ML	<b>Lot No.</b>	LT09S
<b>Molecular Formula</b>	C <sub>4</sub> H <sub>10</sub> O <sub>3</sub>	<b>Date of Mfg.</b>	Aug.2020
<b>Molecular Weight</b>	106.12 g/mol	<b>Date of Exp.</b>	July.2025

Test	Specification	Result
Description	A clear colorless liquid	A Clear colorless liquid
Purity (GC)	≥ 99.5 %	99.75 %
Identification by GC-MS	Conforms to molecular mass	Conforms
Identification by IR	Conforms to structure	Conforms to structure
Identification by <sup>1</sup> H NMR	Conforms to structure	Conforms to structure
Water (By KF)	≤ 0.2 %	0.19 %

\*Traceable to USP Reference Standard 1193265 with Current Lot No: R147W0.

**Storage Condition:** Store in a room temperature and Keep container in a dry and well-ventilated Place, also away from direct sunlight and source of ignition.

**Remark:** The batch complies with the prescribed quality of the above specification.