



迈肯工业材料科技（厦门）有限公司

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**PDS / CERTIFICATE OF ANALYSIS**  
**Diethanolamine (DEA) 99%**

Substance: mixture

Hazardous components: 2, 2'-dihydroxydiethylamine

Concentration or concentration range: 100%

CAS: 111-42-2

Usage: used as an absorbent for acid gases CO<sub>2</sub>, H<sub>2</sub>S and SO<sub>2</sub> in the production of non-ionic surfactants, emulsifiers, polishing agents, industrial scrubbers, and lubricants.

Product Name: Diethanolamine

Executive standard: Q/SH 4400 1008-2020

Batch #: ZI16934081

Tank #: TK-802A

Sample date: 2023-04-08 04:00

Sample #: 610671

Date of issue: 2023-04-08 08:18

Properties	Quality Standard	Test Result	Method
Appearance	Transparent viscous liquid, without suspended solids	Transparent viscous liquid, without suspended solids	Visual inspection
Relative density d <sub>30</sub> 20	1.090-1.095	1.092	GB/T 4472-2011
Color (platinum-cobalt)	≤15	10	GB/T 3143-1982 (2004)
Water content, % (m/m)	≤0.30	0.0687	GB/T 6283-2008
Monoethanolamine, % (m/m)	≤0.30	0.02	Q/SH 4400 FF1038
Diethanolamine, % (m/m)	≥99.0	99.77	Q/SH 4400 FF1038
Triethanolamine, % (m/m)	≤0.30	0.01	Q/SH 4400 FF1038

