



## Certificate of Analysis

Product name	: Diethanolamine (DEA-LFG80)	Sale order no.	:
Batch no	: DEAC211130	Delivery no.	:
Quantity(TO)	:	Customer Po.No.	:
Manufacturing date	: 30.11.2021	Sampling date	: 30.11.2021
Delivery date	:	Sampling point	: BTEA
Issue date	:	Expiry date	: 29.11.2022

Test item	Test Method	Unit	Specification	Result
Diethanolamine	ST-35.213-00	%wt	78.00 - 82.00	80.25
Monoethanolamine	ST-35.213-00	%wt	1.00 Max	0.01
Triethanolamine	ST-35.213-00	%wt	1.00 Max	0.06
Colour Pt-Co units	ASTM D5386	mgPt/L	50 Max	10
Water Content	ASTM E203	%wt	18.000 - 22.000	19.566

SAMPLE ONLY

On Spec  Off Spec

Approved by :

*W. Sangiam*

MR. PIPAT WONGSANGIAM  
(For Laboratory Supervisor)  
Date: November 30 , 2021

QA :

*Punneenuch Amarakong*

PUNNEENUCH AMARARONG  
(Plant Operation Manager)  
Date: December 01 , 2021