



Department of Chemical Engineering

Bangladesh University of Engineering and Technology (BUET)

Phone: +880-2-223365609, Mobile: +880-1753860567 Fax: 880-2-223365609

PABX: +880-2-55167100, 55167228-57 / 7535, 7326 E-mail: brtccochebuet@gmail.com

BRTC Date: 24 September, 2025

BRTC No: 1103-62114/ChE/25-26



1103-62114/ChE/25-26



Requested by:

জনাব মোঃ মোমতাজুর রহমান
নির্বাহী প্রকৌশলী
দাশেরকান্দি পয়ঃশোধনাগার
ঢাকা ওয়াসা।

Client's Reference:

Ref.: আরক নং-৪৬.১১৩.৬৩৭.০০.০০.১১৩.২০২৫.২৫৪

Date: 23/09/2025

Sampling done by: ☒ The Client

Date of Sampling: N/A

Sample Received: ☒ Sealed ☐ Unsealed

Date of Testing: 24-29 September, 2025

Table 1: Analysis of Sodium Hydroxide (Liquid) Sample Supplied by Dhaka WASA.

SN	Test Parameters	Unit	Results	As per specification	Methods Used	Remarks
1	Physical State and Color	-	Colorless Liquid	Colorless/ Clear Liquid	Visual Observation	Results matched the specification
2	Solubility	-	Soluble in Water	Soluble in Water	A measured amount of sample was added to water & stirred at 25°C	
3	Density @25°C	mg/L	1.46	1.4-1.6	ASTM D1298	
4	Sodium Hydroxide Content	wt%	45.2	≥45%	Titrimetric	

Tests Supervised by:

hst
29/09/25

Dr. Md. Shahinoor Islam
Professor
Department of Chemical
Engineering, BUET

Khairul Bahar
29.09.25

Md. Khairul Bahar
Lecturer
Department of Chemical
Engineering, BUET

Countersigned by:

Iqbal Hossain
29.09.25

Dr. Md. Iqbal Hossain
BRTC Secretary & Professor
Department of Chemical
Engineering, BUET

Disclaimer: Test was performed as per the samples were supplied (where applicable) and valid for exactly identical samples. Wherever applicable, ChE department/BRTC BUET is not responsible for any error/omission occurred during the sampling by the client.