

Transportation Engineering Laboratory (TEL)

Department of Civil Engineering (CED)

UNIVERSITY OF ENGINEERING & TECHNOLOGY (UET)

LAHORE – 54890 (PAKISTAN)



Phone: 092-42-9929202 Cable: UNIVENGTECH Fax: 092-42-9922566

Ref:-----

Date:-----

Mr. Muhammad Arfan Asif
Resident Engineer,
NESPAK, Lahore.

Subject: **Testing of WBM Material**

Replacement of Sewerage from Baker Mandi to Typhon Street, Main Bund Road,
Lahore (Restoration of Road Cut)

Dear Sir,

It is with reference to your letter No. 2830/MAA/BR/03/01 dated 26-06-2025.

Please find below the results of tests conducted on the sample of WBM provided to this laboratory through your representative.

1. Specific Gravity & Water Absorption (ASTM C-127)

Specific Gravity (oven dried condition)	2.69
Specific Gravity (saturated surface dry condition)	2.70
Apparent Specific Gravity	2.73
Water Absorption (%)	0.58

2. Sodium Sulphate Soundness (ASTM C-88)

Sieve Size	Weight of Fraction Before Test (gm)	Weight of Fraction After Test (gm)	Percentage Passing Designated Sieve After Test	Weighted Percentage Loss
2" + 1 1/2"	5004.3	4984.9	0.39	0.31
Total = 0.31%				

3. Los Angeles Abrasion Value Test (ASTM C-131/535)

Grading Used	Los Angeles Abrasion Value (%)
1	20.47

If you have further query, please do not hesitate to contact the undersigned.

Best Regards,

Director
Transportation Engineering Laboratory

Note:

1. This test report is based solely on the particular sample(s) supplied by the client and should not be reproduced in parts.
2. Sampling has not been performed by Transportation Engineering Laboratory (TEL), UET and TEL-UET does not accept the responsibility that the sample(s) supplied is/are truly representative sample(s) of any batch or stock or entire project.
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TEL-UET

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Ref.:-----

Date:-----

Mr. Muhammad Arfan Asif
Resident Engineer,
NESPAK, Lahore.

Subject: **Testing of Sub-base Material**

Replacement of Sewerage from Baker Mandi to Typhon Street, Main Bund Road,
Lahore (Restoration of Road Cut)

Dear Sir,

It is with reference to your letter No. 2830/MAA/BR/03/02 dated 25-06-2025.

Please find below the results of tests conducted on the sample of sub-base provided to this laboratory through your representative.

1. Specific Gravity & Water Absorption (ASTM C-127)

Specific Gravity (oven dried condition)	2.65
Specific Gravity (saturated surface dry condition)	2.68
Apparent Specific Gravity	2.73
Water Absorption (%)	1.11

2. Los Angeles Abrasion Value Test (ASTM C-131/535)

Grading Used	Los Angeles Abrasion Value (%)
A	27.90

If you have further query, please do not hesitate to contact the undersigned.

Best Regards,

Director
Transportation Engineering Laboratory

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