

# Transportation Engineering Laboratory (TEL)

Department of Civil Engineering (CED)

UNIVERSITY OF ENGINEERING & TECHNOLOGY (UET)

LAHORE – 54890 (PAKISTAN)



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Ref:-----

Date:-----

Mr. M. Hassan Khan  
Resident Engineer, NESPAK.

Subject: **Testing of WBM Material**  
Scheme # 13 Rehabilitation/Improvement of Road Nadia Ghee Mill Rasheedpura  
Road Shalamar Zone Phase-II

Dear Sir,

It is with reference to your letter No. 4084/103/LDP/SMZ(S-13)/04/26 dated 21-01-2025.  
Please find below the results for the tests conducted on the aggregate sample provided to this laboratory on 10-02-2025 through your representative.

## 1. Sieve Analysis (ASTM C-136)

Sieve Size	3"	2 1/2"	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4
%age Passing	100	92.19	40.32	5.18	0	0	0	0	0

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

Specific Gravity (oven dried condition)	2.69
Specific Gravity (saturated surface dry condition)	2.71
Apparent Specific Gravity	2.74
Water Absorption (%)	0.74

## 3. 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"	5010.4	4987.8	0.45	0.39
	Total = 0.39%			

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

Grading Used	Los Angeles Abrasion Value (%)
1	21.03

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

Best Regards,

Director  
Transportation Engineering Laboratory

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