

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. Khan Muhammad Dogar
Resident Engineer,
(EFAP) Larkana.

Subject: **Testing of Bitumen – AASHTO Standard (M-20)**

Package 16 & 17

Source: National Refinery, Karachi

Dear Sir,

It is with reference to your letter No. RE/EFAP/LAR/PKG-16&17/M/2024/169 dated 06-07-2024. Please find below the results of tests conducted on the bitumen sample provided to this laboratory through your representative.

Sr.#	Laboratory Tests	Results
1	Penetration (ASTM D-5)	64 Units
2	Penetration of Residue (ASTM D-5)	56 Units
3	Ductility (ASTM D-113)	Above 100 cm
4	Ductility of Residue (ASTM D-113)	92 cm
5	Softening Point (ASTM D-36)	50.2°C
6	Flash Point (ASTM D-92)	304°C
7	Fire Point (ASTM D-92)	329°C
8	Solubility (ASTM D-2042)	99.75%
9	Specific Gravity Value (ASTM D-70)	1.016
10	Thin Film Oven Test Value (ASTM D-1754)	0.246%
11	Loss on Heating Value (ASTM D-6)	0.226%

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

Best Regards,

Director
Transportation Engineering Laboratory

Note:

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