

TEST REPORT

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PT. PUTINDO BINTECH

Makaliwe Office Park

Jl. DR. Makaliwe Raya No. 16A-16B, Grogol

JAKARTA

MAY 2017



MINISTRY OF PUBLIC WORKS AND HOUSING
AGENCY FOR RESEARCH AND DEVELOPMENT
RESEARCH AND DEVELOPMENT CENTER FOR ROADS AND BRIDGES
RESEARCH AND DEVELOPMENT STATION FOR ASBUTON

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JAKARTA

Application Letter : 01/PTD/SRT-UJI/IV/17, date April 26th, 2017

1. Received Sample

Sample that recieved on April 26th, 2017 is Asbuton type 5/20 (Buton Rock Asphalt, BRA) April 2017 production.

2. Scope of Test

According to consumer application, the test for Asbuton Type 5/20 are:

1. Bitumen content of Asbuton
2. Water content of Asbuton
3. Sieve analysis of Asbuton

Original Asbuton

- Sieve No. 8
- Sieve No. 16
- Sieve No. 30
- Sieve No. 50
- Sieve No. 100
- Sieve No. 200

Extrctated mineral of Asbuton

- Sieve No. 8
- Sieve No. 16
- Sieve No. 30
- Sieve No. 50
- Sieve No. 100
- Sieve No. 200

4. Specivic gravity of Asbuton
5. Flash point of Asbuton
6. Penetration of extracted bitumen
7. Specivic gravity of extracted bitumen

3. Test Results

The test results of AsbutonTipe 5/20 April 2017 production are shown in Table-1 below.

Table-1. The Test Results of Asbuton Type 5/20 Produced in April 2017

No.	Test	Method ¹	Result	Unit
1.	Bitumen content of Asbuton	ASTM D 2172	24.73	%
2.	Water content of Asbuton	ASTM D 402	1.1	%
3.	Sieve analysis of Asbuton	ASTM C 136		
	Original Asbuton			
	• Sieve No. 8		99.9	%
	• Sieve No. 16		88.4	%
	• Sieve No. 30		66.2	%
	• Sieve No. 50		25.6	%
	• Sieve No. 100		6.4	%
	• Sieve No. 200		1.0	%
	Extracted mineral of Asbuton			
	• Sieve No. 8		100	%
	• Sieve No. 16		95.8	%
	• Sieve No. 30		94.9	%
	• Sieve No. 50		76.7	%
	• Sieve No. 100		48.5	%
	• Sieve No. 200		20.3	%
4.	Specivic gravity of Asbuton	ASTM D 854	1.939	-
5.	Flash point of Asbuton	ASTM D 92	239	°C
6	Penetration of extracted bitumen of Asbuton in 25 °C, 100 g, 5 sec	ASTM D 5	2	%
7	Specivic gravity of extracted bitumen of Asbuton	ASTM D 70	1.08	-

4. Validation

The test results are valid only for Asbuton Type 5/20 (BRA) April 2017 production that received by Research and Development Center for Roads and Bridges.

Head of Research and Development Station
for Asbuton



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