

Certificate No. 11716/GBBPAN
Date: March 27, 2020



SUCOFINDO
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REPORT OF ANALYSIS

The sample was submitted by client with the following identification :

CLIENT : BOLD MINING RESOURCES, PT.
ADDRESS : Menara Kadin Indonesia Lt. 30.
Jl. HR. Rasuna Said Blok X-5 Kav. 2-3
No. Rt. Rw. Kel. Kuningan Timur Kec. Setiabudi.
JAKARTA SELATAN.
TYPE OF SAMPLE : AGGREGATE STONE ANDHESITE.
DATE OF RECEIVED : 10/03/2020.
TEST REQUIRED : Aggregate Test.
DESCRIPTION OF SAMPLE : Form : Boulder.
Weight/Volume : ± 30 kg.
Packing : Plastic bag.
SAMPLE IDENTIFICATION : --
DATE OF ANALYSIS : 10/03/2020 to 27/03/2020.
YOUR REFERENCE : --

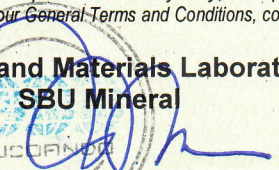
Result:

Parameter	Unit	Value	Reference
Particle size distribution		attached	ASTM C136 14
Fineness modulus		7,38	
Specific gravity, oven dry		2,40	ASTM C127 15
Specific gravity, SSD		2,48	
Specific gravity, apparent		2,60	
Density, oven dry	kg/m ³	2.396,48	
Density, SSD	kg/m ³	2.471,00	
Density, apparent	kg/m ³	2.589,93	ASTM C29 17
Absorption	%	3,11	
Bulk density, loose	kg/m ³	1.301,97	
Bulk density, densed	kg/m ³	1.479,21	
Voids, uncompacted	%	45,66	ASTM C142 17
Voids, compacted	%	38,26	
Clay and friable materials	%	2,49	ASTM C117 17
Material finer than no. 200 sieve	%	1,98	ASTM C131 14
Los Angeles Abrasion test	%	27,49	BS 812.110
Aggregate Crushing Value	%	22,80	BS 812.112
Aggregate Impact Value	%	15,86	BS 812.105.1
Flakiness index	%	10,37	BS 812.105.2
Elongation	%	7,41	ASTM C 566 13
Moisture content	%	1,93	

The Attachment available is an integral part of this certificate.

"This the result (s) related to the sample (s) submitted only and the report/certificate cannot be reproduced in any way, except in full context and with the prior approval in writing from Sucofindo Laboratory. This Certificate/report is issued under our General Terms and Conditions, copy of which is available upon request or may be accessed at www.sucofindo.co.id".

Minerals and Materials Laboratory
SBU Mineral


Djoko Julianto

CBT5000381205010



3475539

SCI-2007A

REPORT OF ANALYSIS

PARTICLE SIZE DISTRIBUTION COARSE AGGREGATE

Reference : ASTM C136 14
Job No. : 5010.0381
Client : PT. BOLD MINING RESOURCES
Client sample ID : AGGREGATE STONE ANDHESITE
Lab. Sample ID : 024.20

Commencement date : 17/03/2020
Completed date : 18/03/2020
Sample prepared by : YR
Tested by : MJ
Checked by : RF

Size fraction (mm)	Weight retained (gr)	Weight retained (%)	Cumulative retained (%)	Cumulative pass (%)
plus 50,00	---	---	---	100,00
50- 32,50	0	0,00	0,00	100,00
32.5- 25,00	209	5,05	5,05	94,95
25- 19,00	2365	57,18	62,23	37,77
19- 12,50	1265	30,58	92,82	7,18
12,5- 9,50	212	5,13	97,94	2,06
9.5- 4,75	60	1,45	99,39	0,61
pan	25	0,61	100,00	0,00
Total	4.136	100,00	---	---

