

Certificate No. 23800/DBBPAG
Date: November 7, 2013



Issuing Office:

Jl. Arteri Tol Cibitung No. 1, Cibitung Bekasi 17520, Indonesia
Phone/Facs: +62 21 88321176/88321166
Email: jum.cbt@sucofindo.co.id

REPORT OF ANALYSIS

The sample was submitted by client with the following identification :

CLIENT : SCG LIGHTWEIGHT CONCRETE INDONESIA, PT.
ADDRESS : Surya Cipta Industrial Estate.
Jl. Techno Kav. 1 – T 1 – 3, Kutamekar, Ciampel.
KARAWANG.
TYPE OF SAMPLE : SILICA SAND.
DATE OF RECEIVED : 10/10/2013.
TEST REQUIRED : Chemical Analysis (XRF – Method), Organic Impurity
and Curve.
DESCRIPTION OF SAMPLE : Form : Sand.
Weight/Volume : ± 1.03 kg.
Packing : Plastic bag.
SAMPLE IDENTIFICATION : Code : Cimalaka.
DATE OF ANALYSIS : 10/10/2013 to 29/10/2013.
YOUR REFERENCE : --

Result:

Parameter	Unit	Results	Method
Iron Trioxide (Fe ₂ O ₃)	%	0.38	PO / MOM / 24
Aluminium Trioxide (Al ₂ O ₃)	%	17.66	PO / MOM / 24
Calcium Oxide (CaO)	%	2.31	PO / MOM / 24
Magnesium Oxide (MgO)	%	3.09	PO / MOM / 24
Manganese Dioxide (MnO ₂)	%	0.27	PO / MOM / 24
Chromium Trioxide (Cr ₂ O ₃)	%	0.02	PO / MOM / 24
Sodium Oxide (Na ₂ O)	%	0.12	PO / MOM / 24
Potassium Oxide (K ₂ O)	%	0.23	PO / MOM / 24
Silicon Dioxide (SiO ₂)	%	72.85	PO / MOM / 24
Titanium Dioxide (TiO ₂)	%	0.98	PO / MOM / 24
Loss On Ignition (LOI)	%	0.79	PO / MOM / 24
Moisture Content (MC)	%, AR	6.38	Gravimetric
Organic Impurity	%	Less than 0.01	Titrimetric

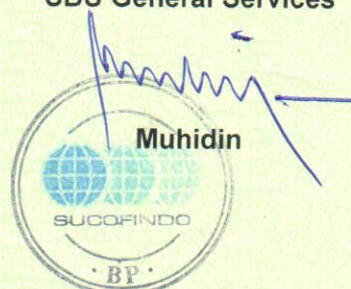
Note = AR (As Received Basis).

The Attachment available is an integral part of this certificate.

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SBU General Services

CBT1011153131040-003



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SUCOFINDO

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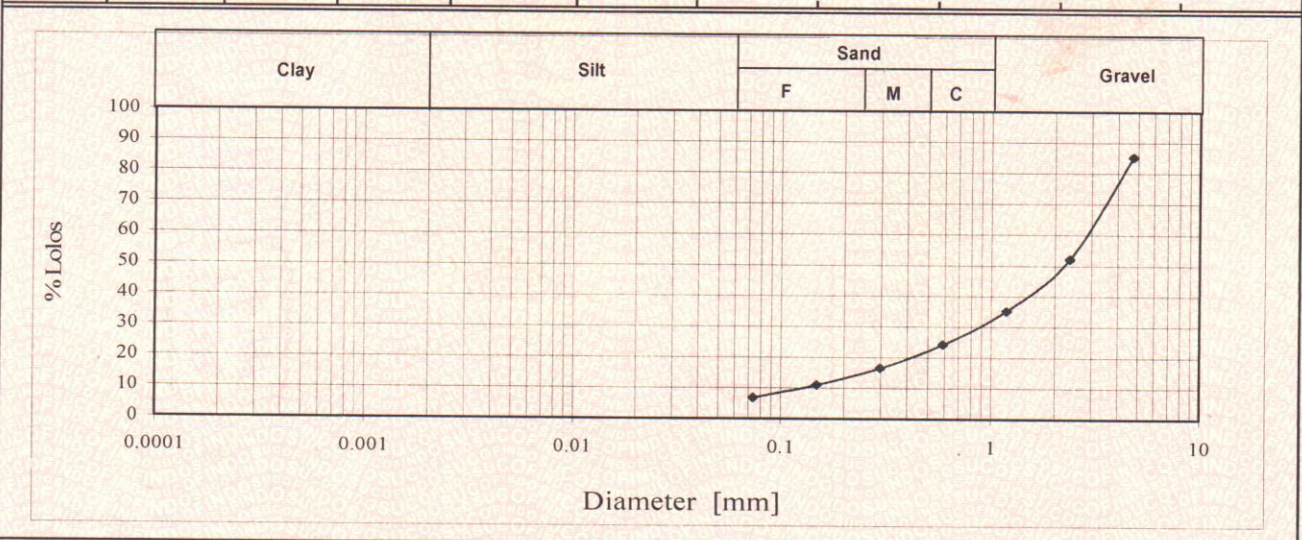
PT. SUCOFINDO (PERSERO), CIBITUNG
LABORATORIUM MINERAL
 Jl. Arteri Tol Cibitung No. 1, Cibitung, Bekasi, Telp. 021 - 88321176

No. Lab : 1040.2419/3 Tanggal : 29-Oct-13 Analis : Harmen Mardona
 Nama Sample : Silica Sand Diperiksa oleh : Ace Fakhrudin

ANALISA UKURAN BUTIR

Code : Cimalaka **Saringan** W_{total} : 100 gram

Saringan No.	Diameter [mm]	Berat tertahan [gram]	%Tertahan	% Lolos Kumulatif
4	4.760	14.80	14.80	85.20
8	2.360	33.10	33.10	52.10
16	1.180	17.00	17.00	35.10
30	0.590	10.90	10.90	24.20
50	0.297	7.70	7.70	16.50
100	0.149	5.50	5.50	11.00
200	0.074	4.10	4.10	6.90
		93.10	93.10	



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