

Certificate No. 43740/GBBPAL
Date: June 1, 2015



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REPORT OF ANALYSIS

The sample was submitted by client with the following identification :

CLIENT : GRAMER, PT.
ADDRESS : Jl. Gajah Mada No. 93 A.
JAKARTA.
TYPE OF SAMPLE : CALCIUM CARBONATE.
DATE OF RECEIVED : 13/05/2015.
TEST REQUIRED : Chemical Analysis, Calcium Hydroxide (Ca(OH)₂),
Residue as Silicate and Brightness.
DESCRIPTION OF SAMPLE : Form : Powder.
Weight/Volume : ± 0.75 kg.
Packing : Plastic bag.
SAMPLE IDENTIFICATION : Code : Mesh 100.
DATE OF ANALYSIS : 13/05/2015 to 15/05/2015.
YOUR REFERENCE : --

Result:

Parameter	Unit	Results	Method
Iron Trioxide (Fe ₂ O ₃)	%	0.23	PO / MOM / 24
Aluminium Trioxide (Al ₂ O ₃)	%	0.03	PO / MOM / 24
Calcium Oxide (CaO)	%	53.41	PO / MOM / 24
Calcium Carbonate (CaCO ₃)	%	95.37	PO / MOM / 24
Magnesium Oxide (MgO)	%	0.98	PO / MOM / 24
Magnesium Carbonate (MgCO ₃)	%	2.01	PO / MOM / 24
Manganese Dioxide (MnO ₂)	%	Less than 0.01	PO / MOM / 24
Chromium Trioxide (Cr ₂ O ₃)	%	Less than 0.01	PO / MOM / 24
Sodium Oxide (Na ₂ O)	%	0.01	PO / MOM / 24
Potassium Oxide (K ₂ O)	%	0.02	PO / MOM / 24
Silicon Dioxide (SiO ₂)	%	1.93	PO / MOM / 24
Titanium Dioxide (TiO ₂)	%	0.10	PO / MOM / 24
Moisture Content (MC)	%, AR	0.03	PO / MOM / 24
Calcium Hydroxide (Ca(OH) ₂)	%	Less than 0.01	PO / MOM / 24
Residue as SiO ₂	%	1.41	Gravimetric
Brightness	-	90.6	Reflectrometric
Loss On Ignition (LOI)	%	42.78	Gravimetric
Bulk Density :			
- Loose	g/cc	1.137	Gravimetric
- Compact	g/cc	1.776	Gravimetric
Sieve Analysis :			
Retained on Mesh 325	%	29.7	Gravimetric
Passing by Mesh 325	%	70.3	Gravimetric

Note : AR (As Received Basis).

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CBT5000944155010-001



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