

Certificate No. 28717/GBBPAJ  
Date: October 18, 2016



**SUCOFINDO**

Issuing Office:

Jl. Arteri Tol Cibitung No. 1, Cibitung Bekasi 17520, Indonesia  
Phone/Facs: +62 21 88321176/88321166  
Email: afakhrudin@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. I – T 1 – 3, Kutamekar, Ciampel.  
KARAWANG.  
TYPE OF SAMPLE : STEEL BALL 30MM ANALYSIS.  
DATE OF RECEIVED : 01/09/2016.  
TEST REQUIRED : Chemical Composition and Hardness.  
DESCRIPTION OF SAMPLE : Form : Ball.  
Weight/Volume : ± 1.29 kg.  
Packing : Plastic bag.  
SAMPLE IDENTIFICATION : Code: Gupron ex. Cement.  
DATE OF ANALYSIS : 01/09/2016 to 14/09/2016.  
YOUR REFERENCE : --

### Result:

Parameter	Unit	Results	Method
Carbon (C)	%	2.370	ASTM E 353-2006
Cadmium (Cd)	%	Less than 0.001	ASTM E 353-2006
Cobalt (Co)	%	0.017	ASTM E 353-2006
Copper (Cu)	%	0.068	ASTM E 353-2006
Chromium (Cr)	%	11.328	ASTM E 353-2006
Iron (Fe)	%	85.025	ASTM E 353-2006
Manganese (Mn)	%	0.400	ASTM E 353-2006
Molybdenum (Mo)	%	0.029	ASTM E 353-2006
Nickel (Ni)	%	0.114	ASTM E 353-2006
Phosphor (P)	%	0.015	ASTM E 353-2006
Sulfur (S)	%	0.020	ASTM E 353-2006
Silicon (Si)	%	0.464	ASTM E 353-2006
Vanadium (V)	%	0.041	ASTM E 353-2006
Zinc (Zn)	%	Less than 0.001	ASTM E 353-2006

Parameter	Results	Method
Hardness	62.38	ASTM E 18

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](http://www.sucofindo.co.id)

CBT5001572165010



2457184

SCI-2007A