

TEST REPORT

Date: August 08, 2025

No: TR20250808

Table 1: the results of chemical analysis of calcium carbide using XRF

Sample preparation: crushed sample ☒ uncrushed sample: ☐				Test reference standard ASTM E 1621-13			
Laboratory environmental conditions:				temperature: 25 c		humidity: %30	
The name of the element	Weight percent	The name of the element	Weight percent	The name of the element	Weight percent	The name of the element	Weight percent
Mg	0.21	Al	0.9	Si	1.52	S	0.36
Ca + Ca O	63.32	Fe	0.19	P	N.D	Cr	N.D
Mn	N.D	Ni	N.D	Cu	N.D	Zn	N.D
L.O.I	33.5	PH3	0.07	C (Free carbon)	1	-	-

Additional explanation: N.D(Not detectable): : It cannot be identified due to its insignificance and is less than the measuring

Table 2: the results of GAS-yield test

Size(mm)	First test(L/Kg)	Second Test(L/Kg)	Higher(L/Kg)
0-5	230	220	230
5-25	250	240	250
25-35 and 25-50	260	260	260
30-80	270	270	270
50-80	300	295	300

Signature:



Baxat

NOTES: The values shown above are valid for 1117 m elevation above sea level.
Calcium carbide shelf life: 36 month.