
Certificate of Analysis

This is to certify that

Description of consignment: **Calcium Carbide**

Date : 15 April 2021
Product : Calcium Carbide
Batch No : 23179

The Batch has been produced in accordance with specifications and found to conform to the following actual analysis:

INDUSTRIAL CALCIUM CARBIDE FOR ACETYLENE GENERATION

According to DIN 53922

**Reacts with water, forming acetylene gas and calcium hydroxide.
Acetylene gas can form flammable, explosive gas/air mixtures.**

Gas Yield (L/ kg.) 300 l/kg. Limit inferior 3%. Average at 1013 mbar, 15°C saturated, wet.

Impurities in raw acetylene (Maximum content; ppm, %)

Phosphine (PH₃) 400 (0.04%)

Ammonia (NH₃) 500 (0.05%)

Hydrogen sulfide (H₂S) 200 (0.02%)

Impurities in calcium carbide (Maximum content; % weight)

Ferrosilicon 1.0 %

Free carbon 1.8 %

Granulation 50/80 mm

(Maximum content in % for granulation --/-- mm)

Greater than 80 mm 5%

Less than 50 mm 15%

**** Specification as received from the Manufacturer**

Date: 15 April 2021

