



# SAMENESS CRITERIA OF CALCIUM OXIDE

## Substance Identity Card

Substance name	Calcium oxide
Other names	Quick lime, Lime, Burnt lime
EC №	215-138-9
CAS №	1305-78-8
Molecular formula	CaO
Purity <sup>(*)</sup>	> 65%
	typical content: > 80%
Impurities	Impurities of mineralogical origin (e.g. magnesium, silicon, aluminium, iron, manganese, sulphur) might be present in different forms

(\*) Justification for deviation from the 80% rule for the main constituent:

Although a vast majority of the commercial products would have a CaO content below 80%, but always above 65%. This specification is consistent with the standard EN 459-1. The lower CaO content is justified by the fact that the manufacturing process involves natural rocks as raw materials, and the sustainable use of virgin raw materials requires the use of “low grade” raw materials.